

York County Base Labor Market Analysis



South Carolina
Department of
Commerce
Labor Market Information



October 2008

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EXECUTIVE SUMMARY

Population

York County's population has grown faster than the state's in recent years.

Future growth is expected to continue to exceed the state's.

Some 60% of York County's workers live within the county, and a significant number come from Mecklenburg County, NC.

Income

Per capita income growth has been slower than the state and the nation.

York County's per capita income remains above the state but below the national level.

Average wages in York County are higher than the state average in the following occupational groups: healthcare practitioners and technical, healthcare support, protective service, sales and related, and installation, maintenance and repair.

Education

The number of degrees awarded by area post-secondary institutions has increased substantially.

The greatest increase has been in the business field.

Occupations

Most major occupational groups are expected to grow faster in York County than in the state.

Requirements for York County's workers are expected to grow in the following levels of education and experience:

Postsecondary vocational award, associate's degree, bachelor's degree and master's degree or higher.

Industry

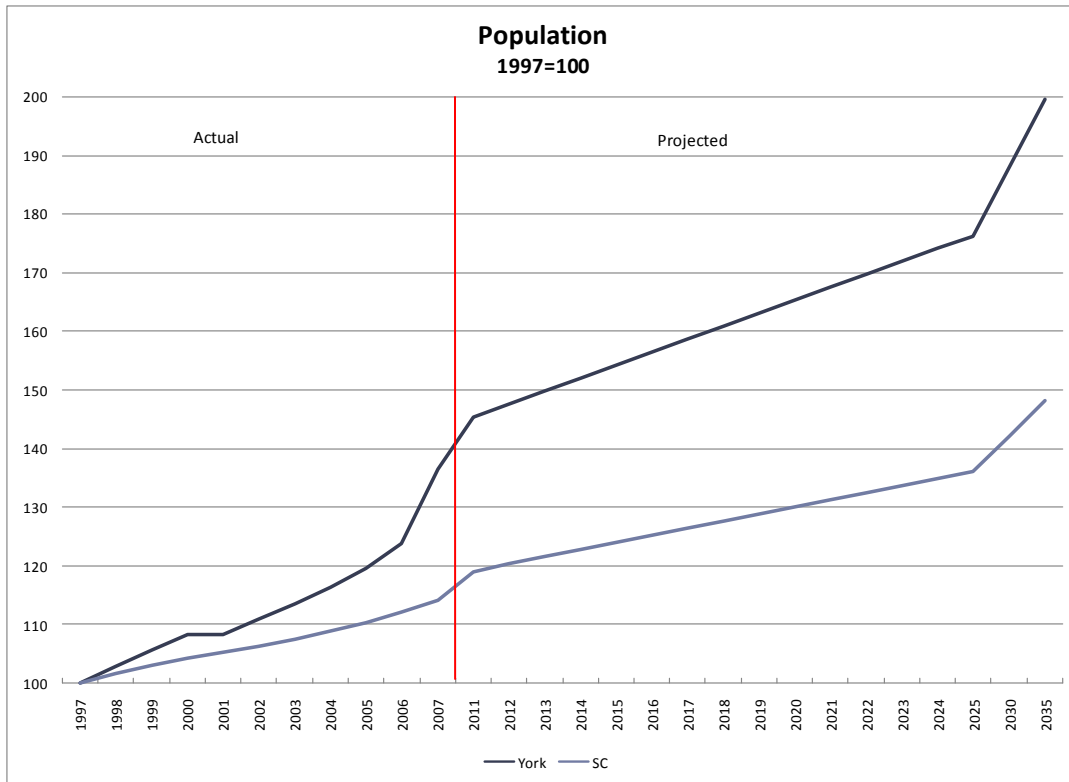
Sectors rated as having high potential in York County are as follows:

Telecommunications; wood product manufacturing; chemical manufacturing; fabricated metal product manufacturing; electrical equipment, appliance and component manufacturing; merchant wholesalers, nondurable goods; warehousing and storage; ambulatory health care services; transportation equipment manufacturing; and paper manufacturing.

POPULATION

Growth

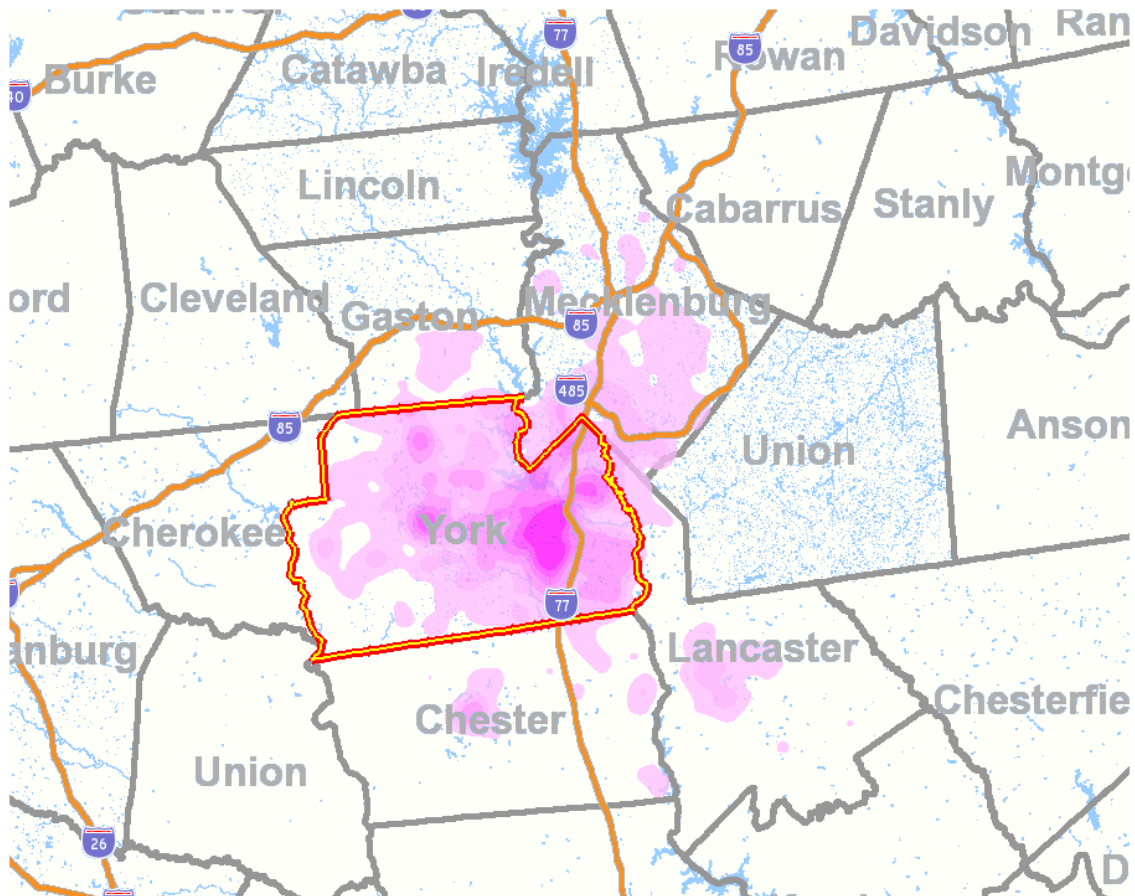
York County's 2007 population was 208,827. The county population has grown by 36.5% since 1997, compared to 14.2% growth for South Carolina. York's future population growth is expected to be notably faster than the state's.



Source: U.S. Census Bureau (estimates) and SC Budget & Control Board/Office of Research and Statistics (projections).

LABORSHED

The map below shows where York County workers come from (in 2006, latest available data). Some 60% of York County's workers live within the county. A significant number come from Mecklenburg County, North Carolina.



Source: U.S. Census Bureau, Local Employment Dynamics.

Characteristics of Workers

Age of Workers:

30 or younger	26.5%
31 to 54	57.2%
55 or older	16.3%

Earnings of Workers:

\$1,200 per month or less	26.7%
\$1,201 to \$3,400 per month	43.3%
More than \$3,400 per month	30.0%

States Where Workers Live:

South Carolina	83.9%
North Carolina	15.7%
All other locations	0.4%

Counties Where Workers Live:

York, South Carolina	60.2%
Mecklenburg, North Carolina	10.4%
Lancaster, South Carolina	4.5%
Chester, South Carolina	4.3%
Gaston, North Carolina	2.4%
Greenville, South Carolina	1.8%
Spartanburg, South Carolina	1.7%
Richland, South Carolina	1.7%
Lexington, South Carolina	1.2%
Union, North Carolina	1.1%
All Other Locations	10.9%

Cities Where Workers Live:

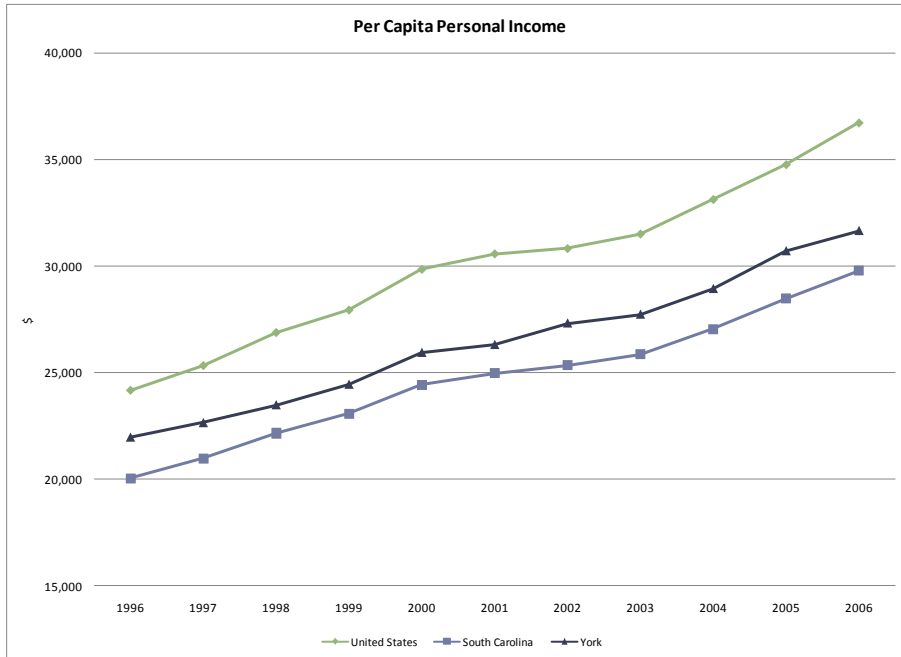
Rock Hill, South Carolina	19.5%
Charlotte, North Carolina	8.6%
Fort Mill, South Carolina	2.6%
York, South Carolina	2.4%
Newport, South Carolina	2.2%
Clover, South Carolina	1.3%
Tega Cay, South Carolina	1.2%
Gastonia, North Carolina	0.9%
Lesslie, South Carolina	0.8%
Lake Wylie, South Carolina	0.7%
All Other Locations	59.9%

Source: U.S. Census Bureau, Local Employment Dynamics.

INCOME

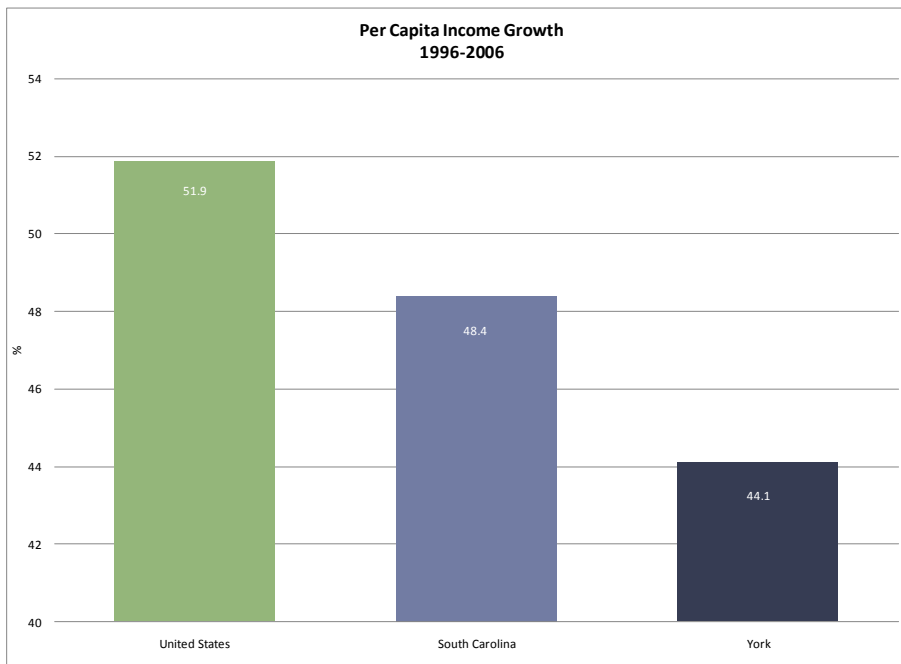
Per Capita Income

York County's per capita income has remained below the national level but above the state.



Source: U.S. Department of Commerce, Bureau of Economic Analysis.

York County's per capita income has grown slower than South Carolina's and the nation's.



Source: U.S. Department of Commerce, Bureau of Economic Analysis.

Wages by Industry

York County's average wages are below those of South Carolina (\$674 vs. \$680 in 2007). Average wages were up 15% in York County over the past five years, compared to 18% for the state. All major sectors except real estate and rental and leasing and other services had growth, led by construction.

Industry	NAICS Code	2007 Average Weekly Wage (\$)	2002 Average Weekly Wage (\$)	% Change
Total, Private and Government		674	588	15
Construction	23	689	538	28
Manufacturing	31-33	950	760	25
Retail Trade	44-45	453	406	12
Transportation and Warehousing	48-49	NA	NA	
Information	51	926	750	23
Finance and Insurance	52	796	702	13
Real Estate and Rental and Leasing	53	658	1,483	-56
Administration & Support & Waste Management & Remediation Services	56	535	479	12
Arts, Entertainment, and Recreation	71	221	211	5
Accommodation and Food Services	72	236	209	13
Other Services (Except Public Administration)	81	468	502	-7
Federal Government		941	749	26
State Government		715	610	17
Local Government		669	558	20

Source: U.S. Department of Labor, Bureau of Labor Statistics, Quarterly Census of Employment and Wages.

Wages by Occupation

Average wages in York County are higher than the state average in the following occupational groups:

- Healthcare practitioners and technical
- Healthcare support
- Protective service
- Sales and related
- Installation, maintenance and repair

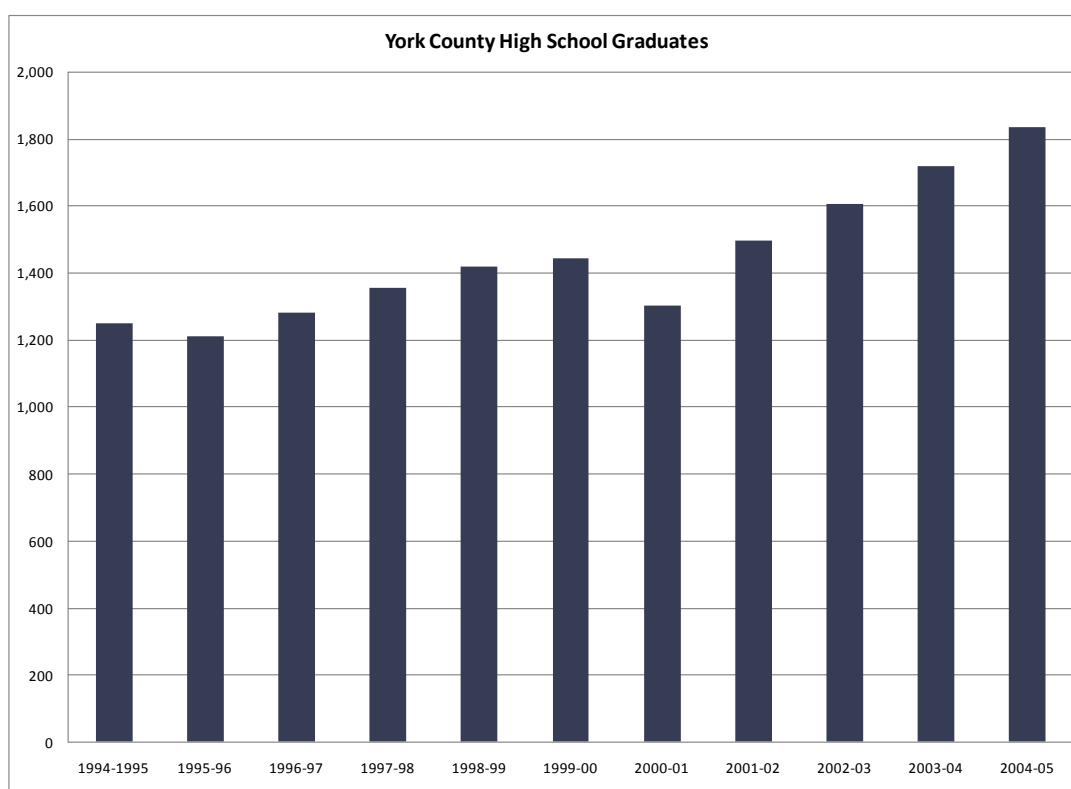
Occupation	2007 York County Median Hourly Wage (\$)	2007 SC Median Hourly Wage (\$)
Management occupations	27.34	28.78
Business and financial operations occupations	16.54	20.28
Computer and mathematical science occupations	19.49	26.20
Architecture and engineering occupations	27.87	30.22
Life, physical and social science occupations	19.01	22.76
Community and social services occupations	11.86	13.18
Legal occupations	24.98	30.68
Education, training and library occupations	16.47	24.42
Arts, design, entertainment, sports and media occupations	10.77	12.66
Healthcare practitioners and technical occupations	30.95	30.64
Healthcare support occupations	10.86	10.55
Protective service occupations	14.45	13.87
Food preparation and serving related occupations	6.78	7.90
Building and grounds cleaning and maintenance occupations	7.60	8.42
Personal care and service occupations	7.30	8.39
Sales and related occupations	13.79	13.48
Office and administrative support occupations	11.24	13.22
Farming, fishing, and forestry occupations	10.98	13.07
Construction and extraction occupations	15.71	16.51
Installation, maintenance and repair occupations	19.08	16.88
Production occupations	15.14	15.21
Transportation and material moving occupations	11.66	12.94

Source: Economic Modeling Specialists, Inc.

EDUCATION

High School Graduates

From 1995 to 2005 (latest data available), the number of York County students receiving high school diplomas rose by 587 (47%). In South Carolina, the number of high school diplomas increased 9% from 1995 to 2005. A total of 1,835 people received high school diplomas in York County in 2005. York County had 512 more 12th grade students in 2004-05 than in 1994-95. The number of York County students not passing the exit exam who received a certificate of completion instead of a diploma increased by 49 (to 82) over the 1995-2005 period.



Source: National Center for Education Statistics.

Higher Education Graduates

Over 4,000 more students graduated from higher educational institutions in the Catawba area in 2006 than in 1996, an increase of 52%. The greatest numerical increase was in the business and related field.

Program	1996	2006	Change	% Change
Agriculture, agriculture operations & related sciences	11	16	5	45
Architecture and related services	73	81	8	11
Area, ethnic, cultural & gender studies	3	43	40	1,333
Biological & biomedical sciences	242	283	41	17
Business, management, marketing & related support services	1,734	2,608	874	50
Communication, journalism & related programs	103	395	292	283
Communications technologies/technicians & support services	4	13	9	225
Computer & information sciences & support services	159	373	214	135
Construction trades	25	29	4	16
Education	806	1,237	431	53
Engineering technologies/technicians	237	217	-20	-8
Engineering	239	293	54	23
English language & literature/letters	301	311	10	3
Family & consumer sciences/human sciences	35	105	70	200
Foreign languages, literatures & linguistics	82	130	48	59
Health professions & related clinical sciences	778	1,301	523	67
Legal professions & studies	65	103	38	58
Liberal arts & sciences, general studies & humanities	567	933	366	65
Mathematics & statistics	81	62	-19	-23
Mechanic & repair technologies/technicians	48	196	148	308
Multi/interdisciplinary studies	32	49	17	53
Parks, recreation, leisure & fitness studies	40	125	85	213
Personal & culinary services	47	486	439	934
Philosophy & religious studies	44	93	49	111
Physical sciences	112	102	-10	-9
Precision production	109	104	-5	-5
Psychology	342	436	94	27
Public administration & social service professions	191	161	-30	-16
Security & protective services	339	290	-49	-14
Social sciences & history	766	833	67	9
Theology & religious vocations	13	33	20	154
Visual & performing arts	240	484	244	102
TOTAL	7,868	11,925	4,057	52

Source: National Center for Education Statistics (Integrated Post Secondary Education System).

Data for these schools: Belmont Abbey College (NC), Brookstone College (NC), Central Piedmont Community College (NC), Davidson College (NC), DeVry University-North Carolina, Gardner-Webb University (NC), Gaston College (NC), ITT Technical Institute-Charlotte, Johnson & Wales University-Charlotte, Johnson C Smith University (NC), Mercy School of Nursing (NC), Northeastern Technical College, Queens University of Charlotte, The Art Institute of Charlotte, University of North Carolina at Charlotte, University of Phoenix-Charlotte Campus, University of South Carolina-Lancaster, University of South Carolina-Union, Wingate University (NC) and Winthrop University.

OCCUPATIONS

Occupational Projections

Most occupational groups are projected to grow faster in York County than in the state.

See **Appendix A** for detailed occupational information.

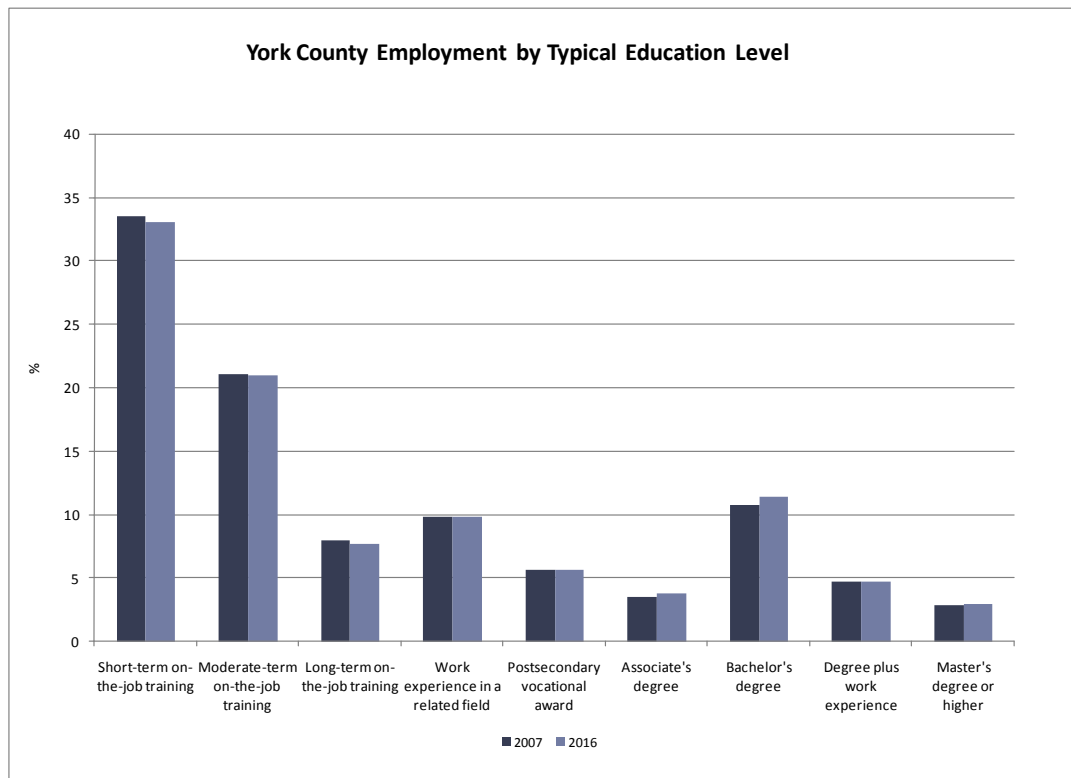
Occupation	2007-2016 York County Projected Growth (%)	2007-2016 SC Projected Growth (%)
Management occupations	20	17
Business and financial operations occupations	31	22
Computer and mathematical science occupations	27	23
Architecture and engineering occupations	19	15
Life, physical and social science occupations	35	15
Community and social services occupations	23	15
Legal occupations	20	21
Education, training and library occupations	24	16
Arts, design, entertainment, sports and media occupations	26	17
Healthcare practitioners and technical occupations	29	24
Healthcare support occupations	30	25
Protective service occupations	23	18
Food preparation and serving related occupations	21	13
Building and grounds cleaning and maintenance occupations	26	23
Personal care and service occupations	14	7
Sales and related occupations	22	19
Office and administrative support occupations	23	13
Farming, fishing and forestry occupations	26	16
Construction and extraction occupations	15	19
Installation, maintenance and repair occupations	21	17
Production occupations	13	10
Transportation and material moving occupations	18	11

Source: Economic Modeling Specialists, Inc.

Occupational Education Requirements

The trend for occupational growth shows that there will be growth in jobs across skill levels. However, based on employment projections, more of York County's job growth will be in these categories of education and experience:

- Postsecondary vocational award
- Associate's degree
- Bachelor's degree
- Master's degree or higher



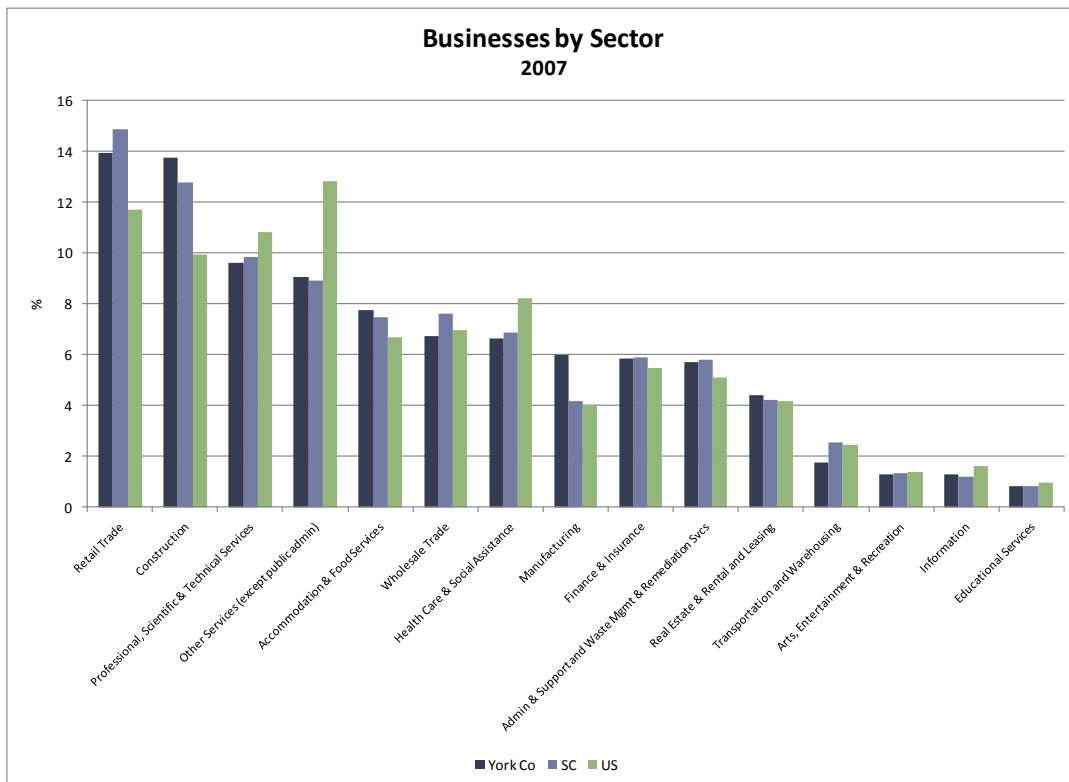
Source: Economic Modeling Specialists, Inc

INDUSTRY

Businesses by Sector

York County had higher percentages of businesses than South Carolina or the nation in the following sectors:

- Construction
- Accommodation & food services
- Manufacturing
- Real estate & rental & leasing



Source: U.S. Department of Labor, Bureau of Labor Statistics.

Growth in Number of Businesses

The number of private businesses in York County rose by 2% from 2002 to 2007, compared to a 2% drop for the state. For industry definitions, this analysis uses the North American Industry Classification System (NAICS), the U.S. standard for industry classification.

At the three-digit NAICS code level, York County had higher growth in 21 industries compared to South Carolina and the U.S. Below is a list of those 21 industries along with their respective growth rates.

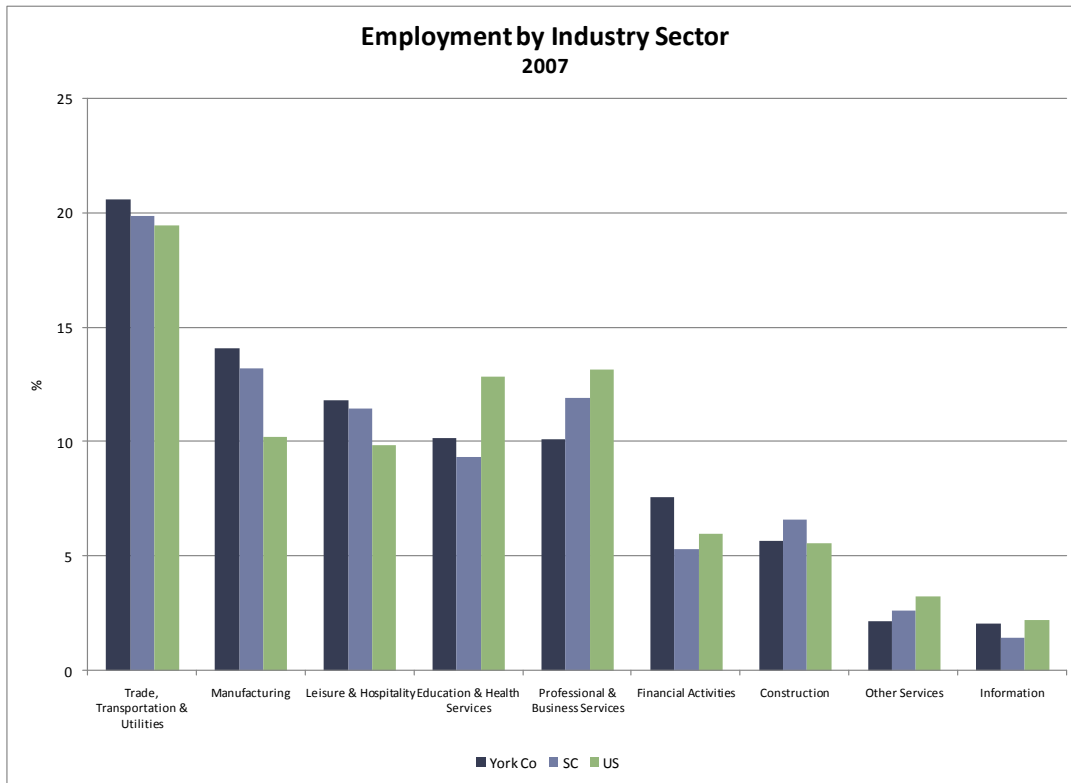
See **Appendix B** for information on all industries.

Industry	2002-2007 Growth (%)		
	York Co.	SC	US
Textile product mills	33.3	-10.6	-3.3
Wood product manufacturing	7.7	-6.4	-5.7
Primary metal manufacturing	66.7	1.0	-5.4
Electrical equipment, appliance & component manufacturing	20.0	-2.7	-5.7
Furniture & related product manufacturing	28.6	-8.8	-5.8
Miscellaneous manufacturing	58.3	9.5	-0.9
Food & beverage stores	2.6	-18.2	-0.5
Health & personal care stores	12.2	9.1	10.2
Gasoline stations	9.0	-2.8	-1.9
Sporting goods, hobby, book & music stores	19.2	-11.1	-6.5
Transit & ground passenger transportation	33.3	-14.6	1.6
Telecommunications	10.5	0.0	9.3
Data processing, hosting & related services	10.0	-11.0	-47.5
Securities, commodity contracts & other financial investments & related activities	64.3	38.6	23.5
Insurance carriers & related activities	9.0	0.3	6.7
Real estate	37.7	18.8	23.8
Educational services	27.6	14.1	23.7
Ambulatory health care services	13.7	7.4	13.3
Accommodation	12.5	-3.4	3.5
Religious, grantmaking, civic, professional & similar organizations	15.0	-2.0	3.3
Private households	45.1	4.6	24.9

Source: U.S. Department of Labor, Bureau of Labor Statistics.

Employment by Sector

Compared to the state and nation, York County has a higher share of jobs in trade, transportation and utilities; manufacturing; leisure and hospitality; and financial activities.



Source: U.S. Department of Labor, Bureau of Labor Statistics.

Industry Analysis

Screening Criteria

Industry sectors were rated on six factors:

- | | |
|------------------------------------|---------------------------------|
| • 2002-2007 employment growth | Competitive effect ¹ |
| • 2002-2007 employment growth rate | Average annual wage |
| • Location quotient ² | Projected growth |

Using those factors, sectors were awarded “stars” based on meeting the following criteria:

- 2002-2007 employment growth of 100 or more (Did the sector add a significant number of jobs?)
- 2002-2007 employment growth rate greater than 20.4% (growth rate for all jobs in the county) (Did the sector add jobs?)
- Location quotient of at least 1.25 (Does the sector have a significant concentration in the county?)
- Competitive effect greater than 0 (Did the sector add jobs beyond national growth overall and in the sector?)
- Average annual wage greater than \$35,050 (2007 average for the county) (Does the sector pay wages greater than average for the county?)
- Average or above average projected growth (Is the sector expected to add jobs?)

Industries of Note

Based on these criteria, these are “six star” sectors in York County:

- Telecommunications
- Credit intermediation and related activities

Industry sectors that generate wealth from outside the area are referred to as the region’s base economy. Base economy sectors are important to an area’s economic well-being. Telecommunications is generally considered to be a base economy sector. Credit intermediation can be a base economy sector to the extent the county serves as a regional or national center for those activities.

The following are “five star” sectors in York County:

- Wood product manufacturing (with only below average projected growth)
- Chemical manufacturing (below average projected growth)
- Fabricated metal product manufacturing (below average projected growth)
- Electrical equipment, appliance and component manufacturing (projected employment decline)
- Merchant wholesalers, nondurable goods (below average projected growth)

¹ *Competitive Effect: based on shift-share analysis; represents the change in employment in the sector in the county after accounting for overall US employment growth and growth/decline in the sector in the US.*

² *Location Quotient: percentage of employment in the sector in the county divided by the percentage of employment in that sector in the US; gives an indication of how concentrated employment in the sector is in the county compared to the US; based on 2007 data.*

- Warehousing and storage (below average wages)
- Ambulatory health care services (low location quotient)

All these sectors can be considered base economy sectors for York County.

Other sectors which fit this base economy criteria, have above-average wages, have a high concentration in the area (as indicated by the location quotient), and are projected to grow are:

- Transportation equipment manufacturing
- Paper manufacturing

Appendix C has information on all factors for all sectors for York County.

MOVING FORWARD

The South Carolina Department of Commerce appreciates the opportunity to provide this base analysis of York County's labor market. We hope that it will help in advancing the progress of York County's economic development.

What's been done so far?

This analysis identifies the region's assets—both current and future—at a macro level. Labor Market Information (LMI) at the S.C. Department of Commerce developed a Base Labor Analysis report providing an overview of the region's population, industries, occupations, and educational assets. Additionally, these findings were benchmarked against the state and the nation.

What's next?

Because local knowledge is required to interpret and apply the findings appropriately, the York Base Labor Analysis should be used with local stakeholders to identify and define key, targeted industry clusters. Some items to consider when defining these clusters may include the following.

1. *What is York's economic base?*

In order for an economy to grow, it must have a base (export) sector that generates wealth from beyond its borders. Industries in the economic base (manufacturing, scientific and technology services, warehouse and distribution, financial services, regional healthcare, etc.) typically provide occupations with higher pay and benefits as well as better human capital development and promotion opportunities. A successful economic base stimulates the development of the non-base sector (housing, schools, retail, restaurants, personal services, etc.). It also propels the local tax base which, in turn, provides support to community services.

2. *What are strategies to assist low-wage citizens in non-base economy jobs?*

Although the economic base is the driver for long-term growth in a region, implementable strategies for developing job opportunities for low-skilled individuals is a priority for community economic well-being. This need must also be kept in mind when defining target industry clusters.

3. *What other factors are vital to York and its community?*

Over and above pure economic considerations, what is important to the citizens of the York community? How does York want to be perceived? What quality of life issues affect York? These questions may impact the types of industries desired for the area.

How Labor Market Information at the S.C. Department of Commerce can help.

Once local stakeholders have identified key industry clusters vital to the future economic development of the region, LMI can provide more in-depth analysis of each of these industries, their occupations, business establishments, and educational requirements.

1. Detailed Industry Analysis

For each identified industry, LMI can develop a detailed analysis of each sector, including employment, projected growth, staffing patterns, location quotients, and employers. Additionally, the analysis will examine the largest, fastest growing, and declining sectors within the industry cluster.

2. Detailed Occupational Analysis

At this point, the occupations—classified by SOC codes—that make up each of the identified industry clusters can be analyzed in detail. This analysis will include employment, average earnings, educational requirements, projected growth, and completers from available local training programs. It will culminate in identifying gaps between the number of occupations required to sustain and advance industry growth and the number of skilled workers (as identified by educational requirements and program completers) available to fulfill these positions.

3. Identification of Implementable Recommendations

LMI will utilize the findings of the analyses to develop a set of implementable recommendations. These may include recommendations to align community college programs with economic development goals along with others. Finally, local knowledge will once again be called upon to review the findings and develop an action plan for the implementation of feasible solutions.

Appendix A: Occupational Projections for York County

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
11-2011	Advertising and promotions managers	30	40	10	33	1.01	17.26	Degree plus work experience
11-2021	Marketing managers	110	143	33	30	0.98	23.46	Degree plus work experience
11-2022	Sales managers	326	404	78	24	1.68	27.76	Degree plus work experience
11-2031	Public relations managers	31	42	11	35	1.07	17.09	Degree plus work experience
11-3011	Administrative services managers	106	132	26	25	0.80	21.07	Degree plus work experience
11-3021	Computer and information systems managers	155	193	38	25	1.02	30.53	Degree plus work experience
11-3031	Financial managers	479	648	169	35	1.32	26.67	Degree plus work experience
11-3041	Compensation and benefits managers	32	41	9	28	1.13	23.84	Degree plus work experience
11-3042	Training and development managers	17	23	6	35	0.97	23.15	Degree plus work experience

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
11-3049	Human resources managers, all other	26	33	7	27	0.77	23.91	Degree plus work experience
11-3051	Industrial production managers	123	145	22	18	1.44	31.48	Work experience in a related field
11-3061	Purchasing managers	56	66	10	18	1.51	27.69	Degree plus work experience
11-3071	Transportation, storage, and distribution managers	63	84	21	33	1.15	31.59	Work experience in a related field
11-9011	Farm, ranch, and other agricultural managers	146	146	0	0	0.78	5.90	Degree plus work experience
11-9012	Farmers and ranchers	724	726	2	0	0.78	5.85	Long-term on-the-job training
11-9021	Construction managers	469	550	81	17	1.17	21.33	Bachelor's degree
11-9031	Education administrators, preschool and child care center/program	62	77	15	24	0.87	8.76	Degree plus work experience
11-9032	Education administrators, elementary and secondary school	118	140	22	19	0.73	32.00	Degree plus work experience
11-9033	Education administrators, postsecondary	76	92	16	21	0.75	18.44	Degree plus work experience
11-9039	Education administrators, all other	20	25	5	25	0.37	10.07	Degree plus work experience

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
11-9041	Engineering managers	108	124	16	15	1.05	39.22	Degree plus work experience
11-9051	Food service managers	234	294	60	26	0.97	18.89	Work experience in a related field
11-9061	Funeral directors	16	13	-3	-19	1.08	21.18	Associate's degree
11-9081	Lodging managers	47	46	-1	-2	0.61	26.38	Work experience in a related field
11-9111	Medical and health services managers	121	150	29	24	0.74	35.10	Degree plus work experience
11-9121	Natural sciences managers	10	16	6	60	—	—	Degree plus work experience
11-9141	Property, real estate, and community association managers	478	688	210	44	0.76	10.95	Bachelor's degree
11-9151	Social and community service managers	51	61	10	20	0.62	14.71	Bachelor's degree
11-9199	Managers, all other	755	930	175	23	0.88	51.59	Work experience in a related field
11-1011	Chief executives	446	547	101	23	0.74	45.15	Degree plus work experience
11-1021	General and operations managers	1244	1414	170	14	1.25	32.33	Degree plus work experience
13-1011	Agents and business managers of artists, performers, and athletes	12	17	5	42	0.57	6.33	Degree plus work experience

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
13-1022	Wholesale and retail buyers, except farm products	80	88	8	10	0.87	18.43	Work experience in a related field
13-1023	Purchasing agents, except wholesale, retail, and farm products	146	170	24	16	0.92	18.23	Work experience in a related field
13-1031	Claims adjusters, examiners, and investigators	79	99	20	25	0.47	17.91	Long-term on-the-job training
13-1032	Insurance appraisers, auto damage	10	13	3	30	--	--	Long-term on-the-job training
13-1041	Compliance officers, except agriculture, construction, health and safety, and transportation	95	119	24	25	0.76	13.72	Long-term on-the-job training
13-1051	Cost estimators	123	150	27	22	0.94	20.82	Work experience in a related field
13-1071	Employment, recruitment, and placement specialists	115	142	27	23	1.04	13.57	Bachelor's degree
13-1072	Compensation, benefits, and job analysis specialists	71	96	25	35	1.11	17.65	Bachelor's degree
13-1073	Training and development specialists	139	185	46	33	1.18	17.44	Bachelor's degree
13-1079	Human resources, training, and labor relations specialists, all other	64	84	20	31	0.51	18.77	Bachelor's degree
13-1081	Logisticians	19	26	7	37	0.43	18.34	Bachelor's degree
13-1111	Management analysts	377	463	86	23	0.69	19.94	Degree plus work experience
13-1121	Meeting and convention planners	44	56	12	27	0.94	9.59	Bachelor's degree

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
13-1199	Business operation specialists, all other	408	555	147	36	0.72	17.93	Bachelor's degree
13-2011	Accountants and auditors	706	871	165	23	0.84	16.76	Bachelor's degree
13-2021	Appraisers and assessors of real estate	195	276	81	42	0.85	12.94	Postsecondary vocational award
13-2031	Budget analysts	19	22	3	16	0.56	19.41	Bachelor's degree
13-2041	Credit analysts	149	197	48	32	4.06	12.46	Bachelor's degree
13-2051	Financial analysts	203	288	85	42	1.11	16.12	Bachelor's degree
13-2052	Personal financial advisors	203	308	105	52	0.53	17.13	Bachelor's degree
13-2053	Insurance underwriters	79	101	22	28	1.33	15.86	Bachelor's degree
13-2061	Financial examiners	26	38	12	46	1.91	17.79	Bachelor's degree
13-2071	Loan counselors	43	55	12	28	1.50	48.78	Bachelor's degree
13-2072	Loan officers	602	836	234	39	2.88	13.51	Bachelor's degree
13-2081	Tax examiners, collectors, and revenue agents	37	42	5	14	0.90	17.63	Bachelor's degree
13-2082	Tax preparers	51	49	-2	-4	0.79	12.22	Moderate-term on-the-job training
13-2099	Financial specialists, all other	113	145	32	28	1.39	11.96	Bachelor's degree
15-1011	Computer and information scientists, research	18	20	2	11	0.51	19.73	Doctoral degree
15-1021	Computer programmers	202	202	0	0	0.77	22.57	Bachelor's degree

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
15-1031	Computer software engineers, applications	120	160	40	33	0.41	23.89	Bachelor's degree
15-1032	Computer software engineers, systems software	96	121	25	26	0.46	23.72	Bachelor's degree
15-1041	Computer support specialists	320	390	70	22	1.04	12.28	Associate's degree
15-1051	Computer systems analysts	264	353	89	34	0.97	20.56	Bachelor's degree
15-1061	Database administrators	66	94	28	42	1.01	19.71	Bachelor's degree
15-1071	Network and computer systems administrators	133	177	44	33	0.78	20.79	Bachelor's degree
15-1081	Network systems and data communications analysts	167	253	86	51	1.08	22.41	Bachelor's degree
15-1099	Computer specialists, all other	36	43	7	19	0.30	16.79	Associate's degree
15-2031	Operations research analysts	27	34	7	26	0.82	14.92	Master's degree
17-1011	Architects, except landscape and naval	98	109	11	11	1.20	28.08	Bachelor's degree
17-1012	Landscape architects	39	46	7	18	1.07	26.90	Bachelor's degree
17-1022	Surveyors	24	27	3	13	0.70	21.64	Bachelor's degree
17-2031	Biomedical engineers	22	50	28	127	2.01	22.71	Bachelor's degree
17-2041	Chemical engineers	22	27	5	23	1.38	46.65	Bachelor's degree
17-2051	Civil engineers	140	162	22	16	0.90	27.45	Bachelor's degree
17-2071	Electrical engineers	80	92	12	15	0.95	42.56	Bachelor's degree
17-2072	Electronics engineers, except computer	35	45	10	29	0.46	29.10	Bachelor's degree

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
17-2081	Environmental engineers	16	20	4	25	0.54	28.49	Bachelor's degree
17-2111	Health and safety engineers, except mining safety engineers and inspectors	22	26	4	18	1.53	25.13	Bachelor's degree
17-2112	Industrial engineers	140	194	54	39	1.27	25.13	Bachelor's degree
17-2141	Mechanical engineers	109	118	9	8	0.89	32.59	Bachelor's degree
17-2161	Nuclear engineers	54	64	10	19	3.62	57.96	Bachelor's degree
17-2199	Engineers, all other	46	55	9	20	0.50	30.26	Bachelor's degree
17-3011	Architectural and civil drafters	49	48	-1	-2	0.77	20.22	Postsecondary vocational award
17-3012	Electrical and electronics drafters	53	58	5	9	2.51	25.41	Postsecondary vocational award
17-3013	Mechanical drafters	36	38	2	6	0.85	20.79	Postsecondary vocational award
17-3022	Civil engineering technicians	74	81	7	9	1.53	15.11	Associate's degree
17-3023	Electrical and electronic engineering technicians	115	135	20	17	1.22	28.10	Associate's degree
17-3024	Electro-mechanical technicians	18	21	3	17	2.11	25.55	Associate's degree
17-3026	Industrial engineering technicians	35	46	11	31	0.87	19.19	Associate's degree
17-3027	Mechanical engineering technicians	25	27	2	8	0.97	21.05	Associate's degree
17-3031	Surveying and mapping technicians	74	82	8	11	1.62	18.07	Moderate-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
19-1022	Microbiologists	14	29	15	107	1.55	20.26	Doctoral degree
19-1042	Medical scientists, except epidemiologists	17	30	13	76	0.37	25.63	Doctoral degree
19-2031	Chemists	92	151	59	64	2.02	19.99	Bachelor's degree
19-2041	Environmental scientists and specialists, including health	39	47	8	21	0.76	17.03	Master's degree
19-3021	Market research analysts	97	125	28	29	0.67	16.81	Bachelor's degree
19-3022	Survey researchers	18	21	3	17	0.49	14.19	Bachelor's degree
19-3031	Clinical, counseling, and school psychologists	56	67	11	20	0.59	21.13	Doctoral degree
19-3032	Industrial-organizational psychologists	17	19	2	12	0.42	16.43	Master's degree
19-3039	Psychologists, all other	18	20	2	11	0.40	17.38	Master's degree
19-3051	Urban and regional planners	27	34	7	26	1.48	21.39	Master's degree
19-4011	Agricultural and food science technicians	12	14	2	17	0.92	9.13	Associate's degree
19-4031	Chemical technicians	78	106	28	36	2.34	16.23	Associate's degree
19-4051	Nuclear technicians	27	33	6	22	6.86	38.18	Associate's degree
19-4091	Environmental science and protection technicians, including health	11	14	3	27	0.55	13.59	Associate's degree
19-4099	Life, physical, and social science technicians, all other	15	20	5	33	0.46	10.72	Associate's degree
21-1011	Substance abuse and behavioral disorder counselors	55	81	26	47	1.06	12.33	Master's degree
21-1012	Educational, vocational, and school counselors	74	89	15	20	0.53	15.62	Master's degree

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
21-1014	Mental health counselors	31	43	12	39	0.51	11.94	Master's degree
21-1015	Rehabilitation counselors	63	77	14	22	0.79	11.49	Master's degree
21-1021	Child, family, and school social workers	221	258	37	17	1.36	16.41	Bachelor's degree
21-1022	Medical and public health social workers	57	71	14	25	0.79	17.77	Bachelor's degree
21-1023	Mental health and substance abuse social workers	89	131	42	47	1.23	14.56	Master's degree
21-1029	Social workers, all other	17	20	3	18	0.41	16.11	Bachelor's degree
21-1091	Health educators	21	27	6	29	0.61	17.28	Master's degree
21-1092	Probation officers and correctional treatment specialists	52	62	10	19	1.05	14.86	Bachelor's degree
21-1093	Social and human service assistants	182	234	52	29	0.94	10.14	Moderate-term on-the-job training
21-1099	Community and social service specialists, all other	32	39	7	22	0.48	14.81	Bachelor's degree
21-2011	Clergy	229	258	29	13	1.72	6.28	Master's degree
21-2021	Directors, religious activities and education	87	99	12	14	1.73	6.58	Bachelor's degree
21-2099	Religious workers, all other	38	43	5	13	1.73	5.85	Bachelor's degree
23-1011	Lawyers	278	332	54	19	0.60	31.30	First professional degree
23-1023	Judges, magistrate judges, and magistrates	16	19	3	19	1.16	21.68	Degree plus work experience

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
23-2011	Paralegals and legal assistants	110	135	25	23	0.82	12.64	Associate's degree
23-2091	Court reporters	16	21	5	31	0.91	21.92	Postsecondary vocational award
23-2092	Law clerks	11	14	3	27	0.41	20.48	Bachelor's degree
23-2093	Title examiners, abstractors, and searchers	21	25	4	19	0.47	17.45	Moderate-term on-the-job training
23-2099	Legal support workers, all other	15	19	4	27	0.49	18.92	Bachelor's degree
25-1099	Postsecondary teachers	632	823	191	30	0.75	26.20	Doctoral degree
25-2011	Preschool teachers, except special education	556	698	142	26	2.01	6.30	Postsecondary vocational award
25-2012	Kindergarten teachers, except special education	68	85	17	25	0.67	15.17	Bachelor's degree
25-2021	Elementary school teachers, except special education	657	809	152	23	0.74	20.60	Bachelor's degree
25-2022	Middle school teachers, except special and vocational education	344	418	74	22	0.89	20.84	Bachelor's degree
25-2023	Vocational education teachers, middle school	27	28	1	4	1.12	19.48	Degree plus work experience
25-2031	Secondary school teachers, except special and vocational education	356	414	58	16	0.60	22.65	Bachelor's degree
25-2032	Vocational education teachers, secondary school	54	58	4	7	0.92	23.45	Degree plus work experience
25-2041	Special education teachers, preschool, kindergarten, and elementary school	124	160	36	29	0.99	20.03	Bachelor's degree

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
25-2042	Special education teachers, middle school	47	59	12	26	0.81	20.28	Bachelor's degree
25-2043	Special education teachers, secondary school	25	29	4	16	0.32	20.27	Bachelor's degree
25-3011	Adult literacy, remedial education, and GED teachers and instructors	74	101	27	36	0.93	8.16	Bachelor's degree
25-3021	Self-enrichment education teachers	170	223	53	31	1.18	7.56	Work experience in a related field
25-3099	Teachers and instructors, all other	215	272	57	27	0.58	9.95	Bachelor's degree
25-4021	Librarians	71	81	10	14	0.81	18.40	Master's degree
25-4031	Library technicians	76	92	16	21	1.17	10.56	Postsecondary vocational award
25-9021	Farm and home management advisors	13	15	2	15	0.87	16.23	Bachelor's degree
25-9031	Instructional coordinators	52	68	16	31	0.69	17.88	Master's degree
25-9041	Teacher assistants	593	705	112	19	0.78	9.23	Short-term on-the-job training
25-9099	Education, training, and library workers, all other	54	64	10	19	0.95	18.11	Bachelor's degree
27-1011	Art directors	49	66	17	35	0.70	9.94	Degree plus work experience
27-1012	Craft artists	36	47	11	31	0.68	7.49	Long-term on-the-job training
27-1013	Fine artists, including painters, sculptors, and illustrators	42	55	13	31	0.74	8.25	Long-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
27-1014	Multi-media artists and animators	42	57	15	36	0.63	8.68	Bachelor's degree
27-1019	Artists and related workers, all other	37	49	12	32	0.68	7.47	Long-term on-the-job training
27-1021	Commercial and industrial designers	38	46	8	21	0.94	15.74	Bachelor's degree
27-1022	Fashion designers	21	27	6	29	0.71	21.54	Associate's degree
27-1023	Floral designers	43	41	-2	-5	0.79	12.38	Moderate-term on-the-job training
27-1024	Graphic designers	86	114	28	33	0.64	14.53	Bachelor's degree
27-1025	Interior designers	43	59	16	37	0.85	16.13	Associate's degree
27-1026	Merchandise displayers and window trimmers	56	77	21	38	1.01	11.59	Moderate-term on-the-job training
27-1027	Set and exhibit designers	18	23	5	28	0.68	18.95	Bachelor's degree
27-1029	Designers, all other	19	25	6	32	0.68	18.64	Bachelor's degree
27-2011	Actors	26	32	6	23	0.46	5.85	Long-term on-the-job training
27-2012	Producers and directors	33	43	10	30	0.49	11.40	Degree plus work experience
27-2021	Athletes and sports competitors	26	38	12	46	1.16	7.72	Long-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
27-2022	Coaches and scouts	103	136	33	32	0.99	7.82	Long-term on-the-job training
27-2023	Umpires, referees, and other sports officials	17	23	6	35	0.73	6.64	Long-term on-the-job training
27-2041	Music directors and composers	75	94	19	25	0.85	5.89	Degree plus work experience
27-2042	Musicians and singers	111	134	23	21	0.91	5.93	Long-term on-the-job training
27-2099	Entertainers and performers, sports and related workers, all other	35	42	7	20	0.51	5.85	Long-term on-the-job training
27-3011	Radio and television announcers	12	14	2	17	0.40	8.11	Long-term on-the-job training
27-3022	Reporters and correspondents	40	54	14	35	1.14	14.65	Degree plus work experience
27-3031	Public relations specialists	121	164	43	36	0.84	13.67	Bachelor's degree
27-3041	Editors	61	76	15	25	0.75	18.43	Bachelor's degree
27-3042	Technical writers	13	17	4	31	0.42	15.67	Bachelor's degree
27-3043	Writers and authors	139	187	48	35	0.66	7.04	Bachelor's degree
27-3091	Interpreters and translators	63	74	11	17	0.82	12.98	Long-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
27-3099	Media and communication workers, all other	50	57	7	14	0.69	14.55	Long-term on-the-job training
27-4011	Audio and video equipment technicians	13	18	5	38	0.49	9.11	Long-term on-the-job training
27-4021	Photographers	266	293	27	10	0.66	10.78	Long-term on-the-job training
29-1011	Chiropractors	30	42	12	40	0.97	30.89	First professional degree
29-1021	Dentists, general	45	54	9	20	0.85	66.21	First professional degree
29-1022	Oral and maxillofacial surgeons	10	13	3	30	--	--	First professional degree
29-1023	Orthodontists	10	14	4	40	1.25	63.14	First professional degree
29-1031	Dietitians and nutritionists	30	35	5	17	0.79	20.64	Bachelor's degree
29-1041	Optometrists	24	35	11	46	0.94	39.71	First professional degree
29-1051	Pharmacists	120	160	40	33	0.90	46.16	First professional degree
29-1069	Physicians and surgeons	358	448	90	25	0.80	118.94	First professional degree
29-1071	Physician assistants	33	46	13	39	0.92	37.70	Bachelor's degree

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
29-1111	Registered nurses	1727	2282	555	32	1.29	22.71	Associate's degree
29-1122	Occupational therapists	55	70	15	27	0.98	22.03	Master's degree
29-1123	Physical therapists	74	97	23	31	0.71	28.24	Master's degree
29-1125	Recreational therapists	18	20	2	11	1.31	13.30	Bachelor's degree
29-1126	Respiratory therapists	59	74	15	25	1.08	19.36	Associate's degree
29-1127	Speech-language pathologists	50	59	9	18	0.71	20.67	Master's degree
29-1129	Therapists, all other	15	17	2	13	0.49	17.41	Bachelor's degree
29-1131	Veterinarians	43	62	19	44	1.18	37.43	First professional degree
29-1199	Health diagnosing and treating practitioners, all other	22	26	4	18	0.41	25.95	Bachelor's degree
29-2011	Medical and clinical laboratory technologists	56	70	14	25	0.63	22.96	Bachelor's degree
29-2012	Medical and clinical laboratory technicians	83	110	27	33	1.02	15.66	Associate's degree
29-2021	Dental hygienists	127	171	44	35	1.37	25.92	Associate's degree
29-2031	Cardiovascular technologists and technicians	36	49	13	36	1.44	17.70	Associate's degree
29-2032	Diagnostic medical sonographers	30	39	9	30	1.20	28.03	Associate's degree
29-2033	Nuclear medicine technologists	11	14	3	27	1.02	29.48	Associate's degree
29-2034	Radiologic technologists and technicians	95	120	25	26	0.90	21.35	Associate's degree

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
29-2041	Emergency medical technicians and paramedics	83	106	23	28	0.77	5.90	Postsecondary vocational award
29-2052	Pharmacy technicians	156	206	50	32	1.01	8.02	Moderate-term on-the-job training
29-2053	Psychiatric technicians	57	76	19	33	1.77	15.77	Moderate-term on-the-job training
29-2055	Surgical technologists	58	78	20	34	1.27	15.33	Postsecondary vocational award
29-2056	Veterinary technologists and technicians	43	62	19	44	1.10	12.76	Associate's degree
29-2061	Licensed practical and licensed vocational nurses	264	304	40	15	0.66	17.74	Postsecondary vocational award
29-2071	Medical records and health information technicians	95	120	25	26	1.05	10.93	Associate's degree
29-2081	Opticians, dispensing	45	48	3	7	1.02	18.33	Long-term on-the-job training
29-2099	Healthcare technologists and technicians, all other	27	33	6	22	0.61	19.82	Postsecondary vocational award
29-9011	Occupational health and safety specialists	28	34	6	21	1.18	24.68	Bachelor's degree
29-9091	Athletic trainers	13	17	4	31	1.38	9.90	Bachelor's degree
29-9099	Healthcare practitioners and technical workers, all other	34	44	10	29	1.21	15.26	Postsecondary vocational award

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
31-1011	Home health aides	768	1110	342	45	1.67	8.88	Short-term on-the-job training
31-1012	Nursing aides, orderlies, and attendants	591	673	82	14	0.74	9.83	Postsecondary vocational award
31-1013	Psychiatric aides	64	80	16	25	0.92	14.32	Short-term on-the-job training
31-2021	Physical therapist assistants	28	38	10	36	0.87	16.65	Associate's degree
31-9011	Massage therapists	54	45	-9	-17	1.01	7.29	Postsecondary vocational award
31-9091	Dental assistants	165	222	57	35	1.08	16.99	Moderate-term on-the-job training
31-9092	Medical assistants	190	277	87	46	0.82	12.99	Moderate-term on-the-job training
31-9093	Medical equipment preparers	43	55	12	28	1.47	14.42	Short-term on-the-job training
31-9094	Medical transcriptionists	47	59	12	26	0.89	15.49	Postsecondary vocational award
31-9095	Pharmacy aides	25	27	2	8	0.77	13.53	Short-term on-the-job training
31-9096	Veterinary assistants and laboratory animal caretakers	43	53	10	23	0.96	11.75	Short-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
31-9099	Healthcare support workers, all other	85	108	23	27	0.79	11.46	Short-term on-the-job training
33-1011	First-line supervisors/managers of correctional officers	15	18	3	20	0.72	18.03	Work experience in a related field
33-1012	First-line supervisors/managers of police and detectives	64	79	15	23	1.32	24.66	Work experience in a related field
33-1021	First-line supervisors/managers of fire fighting and prevention workers	22	27	5	23	0.79	26.72	Work experience in a related field
33-1099	First-line supervisors/managers, protective service workers, all other	29	35	6	21	1.07	13.44	Work experience in a related field
33-2011	Fire fighters	162	204	42	26	1.04	15.70	Long-term on-the-job training
33-2021	Fire inspectors and investigators	16	19	3	19	2.10	18.35	Work experience in a related field
33-3012	Correctional officers and jailers	217	273	56	26	0.95	13.47	Moderate-term on-the-job training
33-3021	Detectives and criminal investigators	36	48	12	33	0.65	18.90	Work experience in a related field
33-3051	Police and sheriff's patrol officers	403	501	98	24	1.15	19.83	Long-term on-the-job training
33-9011	Animal control workers	11	14	3	27	1.40	11.08	Moderate-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
33-9021	Private detectives and investigators	28	35	7	25	0.78	14.18	Work experience in a related field
33-9032	Security guards	405	465	60	15	0.72	8.88	Short-term on-the-job training
33-9091	Crossing guards	10	12	2	20	0.28	9.37	Short-term on-the-job training
33-9092	Lifeguards, ski patrol, and other recreational protective service workers	113	144	31	27	1.74	6.93	Short-term on-the-job training
33-9099	Protective service workers, all other	26	32	6	23	0.58	11.32	Short-term on-the-job training
35-1011	Chefs and head cooks	69	81	12	17	0.98	14.50	Work experience in a related field
35-1012	First-line supervisors/managers of food preparation and serving workers	667	797	130	19	1.42	9.71	Work experience in a related field
35-2011	Cooks, fast food	271	313	42	15	0.79	6.19	Short-term on-the-job training
35-2012	Cooks, institution and cafeteria	144	167	23	16	0.65	8.28	Moderate-term on-the-job training
35-2014	Cooks, restaurant	495	607	112	23	1.07	7.89	Long-term on-the-job training
35-2015	Cooks, short order	138	154	16	12	1.25	7.79	Short-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
35-2021	Food preparation workers	554	671	117	21	1.13	6.88	Short-term on-the-job training
35-3011	Bartenders	145	172	27	19	0.51	6.93	Short-term on-the-job training
35-3021	Combined food preparation and serving workers, including fast food	1,820	2,254	434	24	1.34	5.87	Short-term on-the-job training
35-3022	Counter attendants, cafeteria, food concession, and coffee shop	270	313	43	16	0.93	6.00	Short-term on-the-job training
35-3031	Waiters and waitresses	1,424	1,732	308	22	1.11	5.94	Short-term on-the-job training
35-3041	Food servers, nonrestaurant	82	96	14	17	0.81	7.66	Short-term on-the-job training
35-9011	Dining room and cafeteria attendants and bartender helpers	184	221	37	20	0.82	5.91	Short-term on-the-job training
35-9021	Dishwashers	223	267	44	20	0.79	6.44	Short-term on-the-job training
35-9031	Hosts and hostesses, restaurant, lounge, and coffee shop	271	332	61	23	1.42	6.00	Short-term on-the-job training
37-1011	First-line supervisors/managers of housekeeping and janitorial workers	225	284	59	26	1.08	8.35	Work experience in a related field
37-1012	First-line supervisors/managers of landscaping, lawn service, and groundskeeping workers	139	174	35	25	1.67	13.27	Work experience in a related field

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
37-2011	Janitors and cleaners, except maids and housekeeping cleaners	941	1,215	274	29	0.75	7.11	Short-term on-the-job training
37-2012	Maids and housekeeping cleaners	931	1,118	187	20	0.94	5.99	Short-term on-the-job training
37-2019	Building cleaning workers, all other	240	314	74	31	0.89	7.28	Short-term on-the-job training
37-2021	Pest control workers	73	95	22	30	1.41	9.94	Moderate-term on-the-job training
37-3011	Landscaping and groundskeeping workers	690	869	179	26	1.22	8.15	Short-term on-the-job training
37-3012	Pesticide handlers, sprayers, and applicators, vegetation	85	110	25	29	1.52	9.39	Moderate-term on-the-job training
37-3013	Tree trimmers and pruners	108	137	29	27	1.90	10.77	Short-term on-the-job training
37-3019	Grounds maintenance workers, all other	92	116	24	26	1.70	7.77	Short-term on-the-job training
39-1011	Gaming supervisors	13	18	5	38	0.55	9.98	Work experience in a related field
39-1012	Slot key persons	14	19	5	36	0.75	9.60	Postsecondary vocational award
39-1021	First-line supervisors/managers of personal service workers	144	151	7	5	1.09	8.98	Work experience in a related field

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
39-2011	Animal trainers	43	38	-5	-12	0.83	5.85	Moderate-term on-the-job training
39-2021	Nonfarm animal caretakers	166	118	-48	-29	0.82	5.85	Short-term on-the-job training
39-3011	Gaming dealers	14	20	6	43	0.30	6.31	Postsecondary vocational award
39-3012	Gaming and sports book writers and runners	15	19	4	27	1.31	9.79	Short-term on-the-job training
39-3019	Gaming service workers, all other	14	18	4	29	1.23	9.44	Moderate-term on-the-job training
39-3031	Ushers, lobby attendants, and ticket takers	56	72	16	29	1.00	5.85	Short-term on-the-job training
39-3091	Amusement and recreation attendants	236	272	36	15	1.78	5.85	Short-term on-the-job training
39-3099	Entertainment attendants and related workers, all other	96	110	14	15	4.31	5.89	Moderate-term on-the-job training
39-4021	Funeral attendants	20	21	1	5	1.15	8.83	Short-term on-the-job training
39-5011	Barbers	32	15	-17	-53	1.22	6.15	Postsecondary vocational award
39-5012	Hairdressers, hairstylists, and cosmetologists	285	230	-55	-19	0.93	7.76	Postsecondary vocational award

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
39-5092	Manicurists and pedicurists	25	26	1	4	0.74	8.19	Postsecondary vocational award
39-5094	Skin care specialists	24	27	3	13	1.25	7.27	Postsecondary vocational award
39-6011	Baggage porters and bellhops	17	16	-1	-6	0.64	5.85	Short-term on-the-job training
39-6021	Tour guides and escorts	15	17	2	13	0.65	8.12	Moderate-term on-the-job training
39-9011	Child care workers	753	968	215	29	0.85	6.10	Short-term on-the-job training
39-9021	Personal and home care aides	224	317	93	42	0.48	11.20	Short-term on-the-job training
39-9031	Fitness trainers and aerobics instructors	293	395	102	35	2.05	8.37	Postsecondary vocational award
39-9032	Recreation workers	162	195	33	20	0.85	8.07	Short-term on-the-job training
39-9041	Residential advisors	10	13	3	30	0.36	11.01	Moderate-term on-the-job training
39-9099	Personal care and service workers, all other	67	50	-17	-25	1.04	5.85	Short-term on-the-job training
41-1011	First-line supervisors/managers of retail sales workers	1,381	1,591	210	15	1.14	17.21	Work experience in a related field

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
41-1012	First-line supervisors/managers of non-retail sales workers	599	736	137	23	1.18	27.84	Work experience in a related field
41-2011	Cashiers, except gaming	2,038	2,184	146	7	1.06	7.38	Short-term on-the-job training
41-2012	Gaming change persons and booth cashiers	23	28	5	22	0.66	32.68	Short-term on-the-job training
41-2021	Counter and rental clerks	182	203	21	12	0.69	8.11	Short-term on-the-job training
41-2022	Parts salespersons	159	162	3	2	1.22	11.64	Moderate-term on-the-job training
41-2031	Retail salespersons	2,581	3,045	464	18	0.95	8.95	Short-term on-the-job training
41-3011	Advertising sales agents	147	221	74	50	1.21	16.00	Moderate-term on-the-job training
41-3021	Insurance sales agents	339	424	85	25	0.85	11.90	Bachelor's degree
41-3031	Securities, commodities, and financial services sales agents	225	336	111	49	0.61	26.08	Bachelor's degree
41-3041	Travel agents	37	50	13	35	0.60	10.33	Postsecondary vocational award
41-3099	Sales representatives, services, all other	523	746	223	43	1.36	15.77	Moderate-term on-the-job training
41-4011	Sales representatives, wholesale and manufacturing, technical and scientific products	431	487	56	13	1.51	36.36	Moderate-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
41-4012	Sales representatives, wholesale and manufacturing, except technical and scientific products	1,020	1,174	154	15	1.15	26.01	Moderate-term on-the-job training
41-9011	Demonstrators and product promoters	101	140	39	39	1.48	7.51	Moderate-term on-the-job training
41-9012	Models	27	34	7	26	1.25	6.02	Moderate-term on-the-job training
41-9021	Real estate brokers	807	1,148	341	42	0.88	9.90	Work experience in a related field
41-9022	Real estate sales agents	792	1,131	339	43	0.80	10.05	Postsecondary vocational award
41-9031	Sales engineers	37	39	2	5	0.88	25.83	Bachelor's degree
41-9041	Telemarketers	88	106	18	20	0.39	11.18	Short-term on-the-job training
41-9091	Door-to-door sales workers, news and street vendors, and related workers	631	804	173	27	1.04	5.87	Short-term on-the-job training
41-9099	Sales and related workers, all other	205	264	59	29	1.05	11.25	Moderate-term on-the-job training
43-1011	First-line supervisors/managers of office and administrative support workers	885	1,086	201	23	1.07	13.82	Work experience in a related field
43-2011	Switchboard operators, including answering service	94	100	6	6	0.96	7.88	Short-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
43-2021	Telephone operators	23	21	-2	-9	1.37	19.82	Short-term on-the-job training
43-3011	Bill and account collectors	517	865	348	67	2.16	11.63	Short-term on-the-job training
43-3021	Billing and posting clerks and machine operators	299	350	51	17	1.01	12.43	Moderate-term on-the-job training
43-3031	Bookkeeping, accounting, and auditing clerks	1,214	1,496	282	23	0.99	11.16	Moderate-term on-the-job training
43-3051	Payroll and timekeeping clerks	108	122	14	13	0.93	11.73	Moderate-term on-the-job training
43-3061	Procurement clerks	26	30	4	15	0.64	12.38	Short-term on-the-job training
43-3071	Tellers	130	178	48	37	0.39	11.57	Short-term on-the-job training
43-4011	Brokerage clerks	23	27	4	17	0.56	6.97	Moderate-term on-the-job training
43-4021	Correspondence clerks	18	26	8	44	1.83	8.42	Short-term on-the-job training
43-4031	Court, municipal, and license clerks	23	28	5	22	0.39	12.53	Short-term on-the-job training
43-4041	Credit authorizers, checkers, and clerks	139	167	28	20	3.73	9.34	Short-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
43-4051	Customer service representatives	1,604	2,299	695	43	1.31	11.53	Moderate-term on-the-job training
43-4061	Eligibility interviewers, government programs	73	81	8	11	1.23	13.30	Moderate-term on-the-job training
43-4071	File clerks	75	58	-17	-23	0.58	9.49	Short-term on-the-job training
43-4081	Hotel, motel, and resort desk clerks	133	129	-4	-3	1.11	6.79	Short-term on-the-job training
43-4111	Interviewers, except eligibility and loan	114	142	28	25	0.87	9.69	Short-term on-the-job training
43-4121	Library assistants, clerical	45	54	9	20	0.73	8.16	Short-term on-the-job training
43-4131	Loan interviewers and clerks	428	565	137	32	3.00	9.26	Short-term on-the-job training
43-4141	New accounts clerks	17	18	1	6	0.37	12.58	Work experience in a related field
43-4151	Order clerks	147	129	-18	-12	1.00	11.99	Short-term on-the-job training
43-4161	Human resources assistants, except payroll and timekeeping	76	94	18	24	0.84	10.07	Short-term on-the-job training
43-4171	Receptionists and information clerks	558	705	147	26	0.87	8.80	Short-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
43-4199	Information and record clerks, all other	61	66	5	8	0.47	9.22	Short-term on-the-job training
43-5021	Couriers and messengers	134	168	34	25	0.79	7.87	Short-term on-the-job training
43-5031	Police, fire, and ambulance dispatchers	48	60	12	25	0.87	12.90	Moderate-term on-the-job training
43-5032	Dispatchers, except police, fire, and ambulance	81	94	13	16	0.78	15.99	Moderate-term on-the-job training
43-5041	Meter readers, utilities	29	29	0	0	1.16	34.68	Short-term on-the-job training
43-5051	Postal service clerks	31	36	5	16	0.72	18.87	Short-term on-the-job training
43-5052	Postal service mail carriers	156	182	26	17	0.86	18.33	Short-term on-the-job training
43-5053	Postal service mail sorters, processors, and processing machine operators	98	104	6	6	0.89	18.25	Short-term on-the-job training
43-5061	Production, planning, and expediting clerks	180	223	43	24	1.13	15.00	Short-term on-the-job training
43-5071	Shipping, receiving, and traffic clerks	558	671	113	20	1.33	10.83	Short-term on-the-job training
43-5081	Stock clerks and order fillers	912	945	33	4	0.97	9.80	Short-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
43-5111	Weighers, measurers, checkers, and samplers, recordkeeping	54	56	2	4	1.24	10.64	Short-term on-the-job training
43-6011	Executive secretaries and administrative assistants	984	1,224	240	24	1.07	12.10	Moderate-term on-the-job training
43-6012	Legal secretaries	141	161	20	14	0.71	16.50	Postsecondary vocational award
43-6013	Medical secretaries	233	294	61	26	0.87	14.43	Postsecondary vocational award
43-6014	Secretaries, except legal, medical, and executive	1,099	1,219	120	11	1.00	10.54	Moderate-term on-the-job training
43-9011	Computer operators	66	62	-4	-6	0.91	12.15	Moderate-term on-the-job training
43-9021	Data entry keyers	135	154	19	14	0.70	10.76	Moderate-term on-the-job training
43-9022	Word processors and typists	51	59	8	16	0.48	17.07	Moderate-term on-the-job training
43-9031	Desktop publishers	25	31	6	24	0.94	13.97	Postsecondary vocational award
43-9041	Insurance claims and policy processing clerks	129	146	17	13	0.89	10.91	Moderate-term on-the-job training
43-9051	Mail clerks and mail machine operators, except postal service	119	151	32	27	1.37	8.72	Short-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
43-9061	Office clerks, general	1,360	1,671	311	23	0.76	9.03	Short-term on-the-job training
43-9071	Office machine operators, except computer	68	99	31	46	1.33	8.99	Short-term on-the-job training
43-9199	Office and administrative support workers, all other	91	99	8	9	0.53	12.75	Short-term on-the-job training
45-1099	Supervisors, farming, fishing, and forestry workers	20	26	6	30	0.88	15.47	Work experience in a related field
45-2041	Graders and sorters, agricultural products	16	19	3	19	0.49	8.64	Work experience in a related field
45-2092	Farmworkers and laborers, crop, nursery, and greenhouse	76	101	25	33	0.46	7.04	Short-term on-the-job training
45-3011	Fishers and related fishing workers	11	12	1	9	0.21	5.85	Moderate-term on-the-job training
45-4021	Fallers	24	28	4	17	1.98	15.52	Moderate-term on-the-job training
45-4022	Logging equipment operators	63	82	19	30	2.68	12.45	Moderate-term on-the-job training
47-1011	First-line supervisors/managers of construction trades and extraction workers	756	874	118	16	1.28	19.69	Work experience in a related field
47-2021	Brickmasons and blockmasons	102	87	-15	-15	1.18	16.08	Long-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
47-2022	Stonemasons	27	29	2	7	0.92	18.75	Long-term on-the-job training
47-2031	Carpenters	776	885	109	14	0.81	16.54	Long-term on-the-job training
47-2041	Carpet installers	24	23	-1	-4	0.69	16.28	Moderate-term on-the-job training
47-2042	Floor layers, except carpet, wood, and hard tiles	21	21	0	0	0.89	17.73	Moderate-term on-the-job training
47-2043	Floor sanders and finishers	21	24	3	14	1.10	17.84	Moderate-term on-the-job training
47-2044	Tile and marble setters	40	45	5	13	0.91	14.83	Long-term on-the-job training
47-2051	Cement masons and concrete finishers	100	125	25	25	0.78	12.25	Moderate-term on-the-job training
47-2061	Construction laborers	691	831	140	20	0.89	13.13	Moderate-term on-the-job training
47-2071	Paving, surfacing, and tamping equipment operators	50	64	14	28	1.38	12.79	Moderate-term on-the-job training
47-2072	Pile-driver operators	19	22	3	16	1.11	18.43	Moderate-term on-the-job training
47-2073	Operating engineers and other construction equipment operators	294	370	76	26	1.24	14.18	Moderate-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
47-2081	Drywall and ceiling tile installers	77	86	9	12	0.78	15.98	Moderate-term on-the-job training
47-2082	Tapers	25	28	3	12	0.59	19.53	Moderate-term on-the-job training
47-2111	Electricians	520	553	33	6	1.27	17.93	Long-term on-the-job training
47-2121	Glaziers	22	26	4	18	0.68	12.19	Long-term on-the-job training
47-2131	Insulation workers, floor, ceiling, and wall	31	36	5	16	1.67	16.47	Moderate-term on-the-job training
47-2132	Insulation workers, mechanical	16	22	6	38	0.99	16.31	Moderate-term on-the-job training
47-2141	Painters, construction and maintenance	321	351	30	9	1.03	15.32	Moderate-term on-the-job training
47-2142	Paperhangers	11	12	1	9	1.15	16.21	Moderate-term on-the-job training
47-2151	Pipelayers	103	123	20	19	1.65	13.24	Moderate-term on-the-job training
47-2152	Plumbers, pipefitters, and steamfitters	236	273	37	16	0.85	17.12	Long-term on-the-job training
47-2161	Plasterers and stucco masons	10	12	2	20	0.31	18.63	Long-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
47-2181	Roofers	95	119	24	25	0.91	14.28	Moderate-term on-the-job training
47-2211	Sheet metal workers	114	129	15	13	1.07	12.52	Long-term on-the-job training
47-2221	Structural iron and steel workers	41	53	12	29	0.99	13.29	Long-term on-the-job training
47-3011	Helpers, brickmasons, blockmasons, stonemasons, and tile and marble setters	33	24	-9	-27	0.93	8.15	Short-term on-the-job training
47-3012	Helpers, carpenters	48	53	5	10	0.80	8.87	Short-term on-the-job training
47-3013	Helpers, electricians	140	137	-3	-2	2.42	10.19	Short-term on-the-job training
47-3014	Helpers, painters, paperhangers, plasterers, and stucco masons	12	11	-1	-8	0.87	8.41	Short-term on-the-job training
47-3015	Helpers, pipelayers, plumbers, pipefitters, and steamfitters	77	87	10	13	1.63	10.30	Short-term on-the-job training
47-3016	Helpers, roofers	30	37	7	23	2.42	8.25	Short-term on-the-job training
47-3019	Helpers, construction trades, all other	15	19	4	27	0.74	9.95	Short-term on-the-job training
47-4011	Construction and building inspectors	73	89	16	22	1.04	20.82	Work experience in a related field

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47-4021	Elevator installers and repairers	22	33	11	50	1.70	16.67	Long-term on-the-job training
47-4031	Fence erectors	28	38	10	36	1.53	13.63	Moderate-term on-the-job training
47-4051	Highway maintenance workers	26	32	6	23	0.34	11.75	Moderate-term on-the-job training
47-4071	Septic tank servicers and sewer pipe cleaners	15	20	5	33	1.08	20.57	Moderate-term on-the-job training
47-4099	Construction and related workers, all other	20	23	3	15	0.59	13.53	Moderate-term on-the-job training
47-5021	Earth drillers, except oil and gas	13	15	2	15	0.90	14.37	Moderate-term on-the-job training
49-1011	First-line supervisors/managers of mechanics, installers, and repairers	397	465	68	17	1.55	27.23	Work experience in a related field
49-2011	Computer, automated teller, and office machine repairers	90	108	18	20	0.88	11.67	Postsecondary vocational award
49-2022	Telecommunications equipment installers and repairers, except line installers	163	215	52	32	1.39	25.28	Long-term on-the-job training
49-2092	Electric motor, power tool, and related repairers	34	34	0	0	2.57	11.81	Postsecondary vocational award
49-2093	Electrical and electronics installers and repairers, transportation equipment	14	17	3	21	1.29	23.24	Postsecondary vocational award

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
49-2094	Electrical and electronics repairers, commercial and industrial equipment	54	66	12	22	1.25	22.96	Postsecondary vocational award
49-2095	Electrical and electronics repairers, powerhouse, substation, and relay	82	90	8	10	6.73	45.62	Postsecondary vocational award
49-2096	Electronic equipment installers and repairers, motor vehicles	13	17	4	31	1.20	11.52	Postsecondary vocational award
49-2097	Electronic home entertainment equipment installers and repairers	38	50	12	32	1.20	13.50	Postsecondary vocational award
49-2098	Security and fire alarm systems installers	24	26	2	8	0.69	14.05	Postsecondary vocational award
49-3011	Aircraft mechanics and service technicians	14	12	-2	-14	0.20	37.66	Postsecondary vocational award
49-3021	Automotive body and related repairers	106	122	16	15	1.00	16.37	Long-term on-the-job training
49-3022	Automotive glass installers and repairers	19	21	2	11	1.49	13.23	Long-term on-the-job training
49-3023	Automotive service technicians and mechanics	485	594	109	22	1.06	16.34	Postsecondary vocational award
49-3031	Bus and truck mechanics and diesel engine specialists	177	222	45	25	1.15	17.52	Postsecondary vocational award
49-3042	Mobile heavy equipment mechanics, except engines	77	92	15	19	1.12	16.60	Postsecondary vocational award

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
49-3051	Motorboat mechanics	15	20	5	33	0.92	13.56	Long-term on-the-job training
49-3052	Motorcycle mechanics	25	32	7	28	1.63	13.28	Long-term on-the-job training
49-3053	Outdoor power equipment and other small engine mechanics	22	20	-2	-9	1.08	10.41	Moderate-term on-the-job training
49-3092	Recreational vehicle service technicians	10	13	3	30	--	--	Long-term on-the-job training
49-3093	Tire repairers and changers	71	92	21	30	1.25	8.36	Short-term on-the-job training
49-9011	Mechanical door repairers	19	26	7	37	2.29	15.18	Moderate-term on-the-job training
49-9012	Control and valve installers and repairers, except mechanical door	34	40	6	18	1.44	39.26	Moderate-term on-the-job training
49-9021	Heating, air conditioning, and refrigeration mechanics and installers	203	231	28	14	1.12	17.38	Long-term on-the-job training
49-9031	Home appliance repairers	35	44	9	26	0.77	8.65	Long-term on-the-job training
49-9041	Industrial machinery mechanics	278	356	78	28	1.95	19.68	Long-term on-the-job training
49-9042	Maintenance and repair workers, general	846	1,023	177	21	1.09	13.96	Moderate-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
49-9043	Maintenance workers, machinery	73	85	12	16	1.64	18.04	Short-term on-the-job training
49-9044	Millwrights	43	61	18	42	1.43	23.01	Long-term on-the-job training
49-9051	Electrical power-line installers and repairers	151	185	34	23	2.38	45.13	Long-term on-the-job training
49-9052	Telecommunications line installers and repairers	143	176	33	23	1.45	18.42	Long-term on-the-job training
49-9062	Medical equipment repairers	15	20	5	33	0.67	14.78	Associate's degree
49-9069	Precision instrument and equipment repairers, all other	20	24	4	20	1.68	32.93	Moderate-term on-the-job training
49-9091	Coin, vending, and amusement machine servicers and repairers	49	57	8	16	1.35	8.68	Moderate-term on-the-job training
49-9092	Commercial divers	13	16	3	23	0.89	9.83	Moderate-term on-the-job training
49-9093	Fabric menders, except garment	14	17	3	21	1.03	12.32	Moderate-term on-the-job training
49-9094	Locksmiths and safe repairers	14	19	5	36	0.66	11.58	Moderate-term on-the-job training
49-9095	Manufactured building and mobile home installers	24	31	7	29	3.28	10.83	Moderate-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
49-9097	Signal and track switch repairers	21	26	5	24	1.35	20.06	Moderate-term on-the-job training
49-9098	Helpers--Installation, maintenance, and repair workers	129	152	23	18	1.46	13.92	Short-term on-the-job training
49-9099	Installation, maintenance, and repair workers, all other	47	58	11	23	0.56	14.44	Moderate-term on-the-job training
51-1011	First-line supervisors/managers of production and operating workers	614	696	82	13	1.59	29.36	Work experience in a related field
51-2022	Electrical and electronic equipment assemblers	111	98	-13	-12	0.95	9.78	Short-term on-the-job training
51-2023	Electromechanical equipment assemblers	42	43	1	2	1.28	10.07	Short-term on-the-job training
51-2031	Engine and other machine assemblers	43	41	-2	-5	1.79	13.57	Short-term on-the-job training
51-2041	Structural metal fabricators and fitters	77	86	9	12	1.38	15.16	Moderate-term on-the-job training
51-2091	Fiberglass laminators and fabricators	13	16	3	23	0.57	72.02	Moderate-term on-the-job training
51-2092	Team assemblers	1,376	1,596	220	16	2.00	10.75	Moderate-term on-the-job training
51-2099	Assemblers and fabricators, all other	109	121	12	11	0.67	20.75	Moderate-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
51-3011	Bakers	30	36	6	20	0.37	11.56	Long-term on-the-job training
51-3021	Butchers and meat cutters	47	50	3	6	0.66	13.68	Long-term on-the-job training
51-3022	Meat, poultry, and fish cutters and trimmers	31	39	8	26	0.40	12.46	Short-term on-the-job training
51-4011	Computer-controlled machine tool operators, metal and plastic	96	114	18	19	1.26	12.80	Moderate-term on-the-job training
51-4012	Numerical tool and process control programmers	14	15	1	7	1.44	14.09	Long-term on-the-job training
51-4021	Extruding and drawing machine setters, operators, and tenders, metal and plastic	52	53	1	2	1.02	11.33	Moderate-term on-the-job training
51-4022	Forging machine setters, operators, and tenders, metal and plastic	57	49	-8	-14	3.39	12.45	Moderate-term on-the-job training
51-4023	Rolling machine setters, operators, and tenders, metal and plastic	21	22	1	5	1.09	11.15	Moderate-term on-the-job training
51-4031	Cutting, punching, and press machine setters, operators, and tenders, metal and plastic	283	279	-4	-1	1.91	10.82	Moderate-term on-the-job training
51-4032	Drilling and boring machine tool setters, operators, and tenders, metal and plastic	67	67	0	0	2.91	11.51	Moderate-term on-the-job training
51-4033	Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic	80	91	11	14	1.46	12.28	Moderate-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
51-4034	Lathe and turning machine tool setters, operators, and tenders, metal and plastic	80	80	0	0	2.21	15.20	Moderate-term on-the-job training
51-4035	Milling and planing machine setters, operators, and tenders, metal and plastic	24	23	-1	-4	1.46	16.31	Moderate-term on-the-job training
51-4041	Machinists	363	417	54	15	1.71	16.63	Long-term on-the-job training
51-4072	Molding, coremaking, and casting machine setters, operators, and tenders, metal and plastic	85	84	-1	-1	0.99	9.68	Moderate-term on-the-job training
51-4081	Multiple machine tool setters, operators, and tenders, metal and plastic	78	91	13	17	1.49	12.44	Moderate-term on-the-job training
51-4111	Tool and die makers	76	77	1	1	1.41	17.32	Long-term on-the-job training
51-4121	Welders, cutters, solderers, and brazers	251	292	41	16	1.14	14.91	Long-term on-the-job training
51-4122	Welding, soldering, and brazing machine setters, operators, and tenders	78	95	17	22	2.00	17.86	Moderate-term on-the-job training
51-4191	Heat treating equipment setters, operators, and tenders, metal and plastic	36	45	9	25	2.42	10.53	Moderate-term on-the-job training
51-4193	Plating and coating machine setters, operators, and tenders, metal and plastic	46	69	23	50	2.03	11.08	Moderate-term on-the-job training
51-4194	Tool grinders, filers, and sharpeners	18	16	-2	-11	1.80	13.62	Moderate-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
51-5011	Bindery workers	19	20	1	5	0.54	10.63	Short-term on-the-job training
51-5021	Job printers	38	46	8	21	1.36	15.78	Long-term on-the-job training
51-5022	Prepress technicians and workers	33	33	0	0	0.81	15.74	Postsecondary vocational award
51-5023	Printing machine operators	121	133	12	10	1.09	17.14	Moderate-term on-the-job training
51-6011	Laundry and dry-cleaning workers	113	103	-10	-9	0.77	6.46	Moderate-term on-the-job training
51-6021	Pressers, textile, garment, and related materials	42	29	-13	-31	0.98	6.02	Short-term on-the-job training
51-6031	Sewing machine operators	97	107	10	10	0.72	24.80	Moderate-term on-the-job training
51-6041	Shoe and leather workers and repairers	10	12	2	20	0.80	6.23	Long-term on-the-job training
51-6051	Sewers, hand	35	43	8	23	0.90	7.11	Short-term on-the-job training
51-6052	Tailors, dressmakers, and custom sewers	40	48	8	20	0.79	7.44	Long-term on-the-job training
51-6061	Textile bleaching and dyeing machine operators and tenders	63	65	2	3	5.65	14.10	Moderate-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
51-6063	Textile knitting and weaving machine setters, operators, and tenders	193	213	20	10	8.72	16.46	Long-term on-the-job training
51-6064	Textile winding, twisting, and drawing out machine setters, operators, and tenders	242	270	28	12	9.82	10.54	Moderate-term on-the-job training
51-6091	Extruding and forming machine setters, operators, and tenders, synthetic and glass fibers	36	36	0	0	3.74	14.18	Moderate-term on-the-job training
51-6093	Upholsterers	40	47	7	18	0.74	7.82	Long-term on-the-job training
51-6099	Textile, apparel, and furnishings workers, all other	29	29	0	0	2.32	11.25	Short-term on-the-job training
51-7011	Cabinetmakers and bench carpenters	52	67	15	29	0.65	17.72	Long-term on-the-job training
51-7021	Furniture finishers	19	24	5	26	0.76	7.48	Long-term on-the-job training
51-7041	Sawing machine setters, operators, and tenders, wood	34	35	1	3	0.92	16.10	Moderate-term on-the-job training
51-7042	Woodworking machine setters, operators, and tenders, except sawing	33	38	5	15	0.59	13.52	Moderate-term on-the-job training
51-8013	Power plant operators	80	96	16	20	4.18	43.25	Long-term on-the-job training
51-8021	Stationary engineers and boiler operators	12	14	2	17	0.48	42.75	Long-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
51-8031	Water and liquid waste treatment plant and system operators	39	49	10	26	0.67	15.42	Long-term on-the-job training
51-8091	Chemical plant and system operators	54	54	0	0	1.82	18.95	Long-term on-the-job training
51-9011	Chemical equipment operators and tenders	120	166	46	38	4.29	17.30	Moderate-term on-the-job training
51-9021	Crushing, grinding, and polishing machine setters, operators, and tenders	31	37	6	19	1.38	19.59	Moderate-term on-the-job training
51-9022	Grinding and polishing workers, hand	17	22	5	29	0.68	11.49	Moderate-term on-the-job training
51-9023	Mixing and blending machine setters, operators, and tenders	189	249	60	32	2.46	13.78	Moderate-term on-the-job training
51-9031	Cutters and trimmers, hand	13	14	1	8	0.79	9.41	Short-term on-the-job training
51-9032	Cutting and slicing machine setters, operators, and tenders	299	317	18	6	6.98	16.97	Moderate-term on-the-job training
51-9041	Extruding, forming, pressing, and compacting machine setters, operators, and tenders	55	59	4	7	1.23	11.62	Moderate-term on-the-job training
51-9051	Furnace, kiln, oven, drier, and kettle operators and tenders	21	24	3	14	1.42	20.52	Moderate-term on-the-job training
51-9061	Inspectors, testers, sorters, samplers, and weighers	468	535	67	14	1.73	12.90	Moderate-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
51-9071	Jewelers and precious stone and metal workers	26	33	7	27	0.88	18.06	Postsecondary vocational award
51-9081	Dental laboratory technicians	45	63	18	40	1.71	20.07	Long-term on-the-job training
51-9111	Packaging and filling machine operators and tenders	252	348	96	38	1.19	7.80	Short-term on-the-job training
51-9121	Coating, painting, and spraying machine setters, operators, and tenders	95	108	13	14	1.63	16.40	Moderate-term on-the-job training
51-9122	Painters, transportation equipment	42	47	5	12	1.35	17.50	Long-term on-the-job training
51-9123	Painting, coating, and decorating workers	20	29	9	45	1.06	11.50	Short-term on-the-job training
51-9132	Photographic processing machine operators	28	18	-10	-36	0.92	8.98	Short-term on-the-job training
51-9191	Cementing and gluing machine operators and tenders	34	31	-3	-9	2.63	16.22	Moderate-term on-the-job training
51-9192	Cleaning, washing, and metal pickling equipment operators and tenders	12	15	3	25	1.27	14.05	Moderate-term on-the-job training
51-9195	Molders, shapers, and casters, except metal and plastic	17	17	0	0	0.66	19.53	Moderate-term on-the-job training
51-9196	Paper goods machine setters, operators, and tenders	241	251	10	4	3.88	18.87	Moderate-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
51-9197	Tire builders	54	21	-33	-61	4.35	9.66	Moderate-term on-the-job training
51-9198	Helpers--Production workers	409	472	63	15	1.38	9.96	Short-term on-the-job training
51-9199	Production workers, all other	75	92	17	23	0.47	16.84	Moderate-term on-the-job training
53-1021	First-line supervisors/managers of helpers, laborers, and material movers, hand	165	213	48	29	1.63	16.56	Work experience in a related field
53-1031	First-line supervisors/managers of transportation and material-moving machine and vehicle operators	162	208	46	28	1.30	18.34	Work experience in a related field
53-2012	Commercial pilots	14	12	-2	-14	0.68	78.00	Postsecondary vocational award
53-3011	Ambulance drivers and attendants, except emergency medical technicians	13	16	3	23	1.11	12.15	Moderate-term on-the-job training
53-3021	Bus drivers, transit and intercity	23	24	1	4	0.20	8.06	Moderate-term on-the-job training
53-3022	Bus drivers, school	279	326	47	17	1.05	6.81	Short-term on-the-job training
53-3031	Driver/sales workers	418	491	73	17	1.21	13.53	Short-term on-the-job training
53-3032	Truck drivers, heavy and tractor-trailer	861	1,161	300	35	0.82	14.52	Moderate-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
53-3033	Truck drivers, light or delivery services	676	823	147	22	1.04	13.08	Short-term on-the-job training
53-3041	Taxi drivers and chauffeurs	83	98	15	18	0.48	9.04	Short-term on-the-job training
53-3099	Motor vehicle operators, all other	30	35	5	17	0.75	10.43	Short-term on-the-job training
53-4019	Locomotive engineers and operators	17	23	6	35	0.81	27.59	Moderate-term on-the-job training
53-4031	Railroad conductors and yardmasters	26	36	10	38	1.52	29.11	Moderate-term on-the-job training
53-4099	Rail transportation workers, all other	15	14	-1	-7	4.96	19.75	Moderate-term on-the-job training
53-6021	Parking lot attendants	42	48	6	14	0.56	7.26	Short-term on-the-job training
53-6031	Service station attendants	62	70	8	13	1.20	12.14	Short-term on-the-job training
53-7011	Conveyor operators and tenders	64	64	0	0	2.44	15.90	Short-term on-the-job training
53-7021	Crane and tower operators	42	54	12	29	1.64	18.20	Long-term on-the-job training
53-7032	Excavating and loading machine and dragline operators	41	52	11	27	0.98	13.58	Moderate-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
53-7051	Industrial truck and tractor operators	719	839	120	17	2.05	12.03	Short-term on-the-job training
53-7061	Cleaners of vehicles and equipment	154	167	13	8	0.78	8.72	Short-term on-the-job training
53-7062	Laborers and freight, stock, and material movers, hand	1,805	2,121	316	18	1.35	9.22	Short-term on-the-job training
53-7063	Machine feeders and offbearers	83	87	4	5	1.02	11.22	Short-term on-the-job training
53-7064	Packers and packagers, hand	707	726	19	3	1.54	7.35	Short-term on-the-job training
53-7081	Refuse and recyclable material collectors	33	34	1	3	0.41	17.08	Short-term on-the-job training
		94,526	114,608	20,081	21		14.96	

at least
1.25 greater than \$14.96

Source: EMSI

Appendix B: Businesses by 3-Digit NAICS Codes

York County								
Industry	NAICS Code	Change						
		2002	2007	Average Size	#	%	SC % change	US % change
Crop Production	111	8	8	--	0	0.0	-17.6	-9.3
Forestry and Logging	113	20	17	6	-3	-15.0	-26.0	-15.2
Construction of Buildings	236	180	168	4	-12	-6.7	-0.4	15.4
Heavy and Civil Engineering Construction	237	53	52	7	-1	-1.9	-2.0	-2.3
Specialty Trade Contractors	238	382	393	8	11	2.9	-6.4	12.9
Food Manufacturing	311	6	5	5	-1	-16.7	-13.3	-3.3
Beverage and Tobacco Product Manufacturing	312	4	2	0	-2	-50.0	-14.0	11.8
Textile Mills	313	26	15	55	-11	-42.3	-34.0	-26.7
Textile Product Mills	314	6	8	10	2	33.3	-10.6	-3.3
Apparel Manufacturing	315	5	3	0	-2	-40.0	-40.1	-33.0
Wood Product Manufacturing	321	13	14	35	1	7.7	-6.4	-5.7
Paper Manufacturing	322	10	9	154	-1	-10.0	12.2	-7.5
Printing and Related Support Activities	323	22	20	8	-2	-9.1	-15.0	-12.3
Chemical Manufacturing	325	25	23	56	-2	-8.0	-1.6	1.5
Plastics and Rubber Products Manufacturing	326	11	9	26	-2	-18.2	-5.6	-11.4
Nonmetallic Mineral Product Manufacturing	327	14	10	29	-4	-28.6	4.0	3.0
Primary Metal Manufacturing	331	3	5	31	2	66.7	1.0	-5.4
Fabricated Metal Product Manufacturing	332	48	47	38	-1	-2.1	-6.1	-3.0
Machinery Manufacturing	333	38	29	24	-9	-23.7	-23.7	-11.1
Electrical Equipment, Appliance, and Component Manufacturing	335	10	12	50	2	20.0	-2.7	-5.7
Transportation Equipment Manufacturing	336	10	10	174	0	0.0	4.9	-1.1
Furniture and Related Product Manufacturing	337	14	18	5	4	28.6	-8.8	-5.8
Miscellaneous Manufacturing	339	12	19	12	7	58.3	9.5	-0.9
Merchant Wholesalers, Durable Goods	423	197	169	9	-28	-14.2	0.6	-5.6
Merchant Wholesalers, Nondurable Goods	424	75	66	22	-9	-12.0	-5.0	-3.5
Wholesale Electronic Markets and Agents and Brokers	425	65	67	3	2	3.1	31.7	38.3
Motor Vehicle and Parts Dealers	441	99	89	15	-10	-10.1	-11.6	2.2
Furniture and Home Furnishings Stores	442	49	42	6	-7	-14.3	-11.3	3.8
Electronics and Appliance Stores	443	35	22	16	-13	-37.1	-16.7	-4.7
Building Material and Garden Equipment and Supplies Dealers	444	60	55	17	-5	-8.3	-8.8	0.9
Food and Beverage Stores	445	77	79	21	2	2.6	-18.2	-0.5
Health and Personal Care Stores	446	49	55	11	6	12.2	9.1	10.2
Gasoline Stations	447	78	85	7	7	9.0	-2.8	-1.9
Clothing and Clothing Accessories Stores	448	53	50	14	-3	-5.7	-5.3	4.6
Sporting Goods, Hobby, Book, and Music Stores	451	26	31	7	5	19.2	-11.1	-6.5
General Merchandise Stores	452	35	39	41	4	11.4	17.5	13.3

York County								
Industry	NAICS Code	2002	2007	Average Size	Change		SC % change	US % change
					#	%		
Miscellaneous Store Retailers	453	82	61	6	-21	-25.6	-23.9	-8.6
Nonstore Retailers	454	26	19	11	-7	-26.9	-17.9	11.9
Truck Transportation	484	48	44	14	-4	-8.3	-5.1	5.4
Transit and Ground Passenger Transportation	485	3	4	2	1	33.3	-14.6	1.6
Support Activities for Transportation	488	13	10	3	-3	-23.1	-6.0	7.6
Warehousing and Storage	493	14	13	67	-1	-7.1	-13.8	14.5
Publishing Industries (except Internet)	511	12	10	44	-2	-16.7	1.4	-0.2
Motion Picture and Sound Recording Industries	512	8	8	10	0	0.0	-9.6	-2.1
Telecommunications	517	19	21	37	2	10.5	0.0	9.3
Data Processing, Hosting and Related Services	518	10	11	6	1	10.0	-11.0	-47.5
Credit Intermediation and Related Activities	522	122	151	28	29	23.8	12.2	23.8
Securities, Commodity Contracts, and Other Financial Investments and Related Activities	523	14	23	--	9	64.3	38.6	23.5
Insurance Carriers and Related Activities	524	78	85	5	7	9.0	0.3	6.7
Real Estate	531	122	168	3	46	37.7	18.8	23.8
Rental and Leasing Services	532	34	30	6	-4	-11.8	-8.3	1.7
Administrative and Support Services	561	232	244	21	12	5.2	2.2	13.0
Waste Management and Remediation Services	562	11	11	7	0	0.0	3.9	15.6
Educational Services	611	29	37	6	8	27.6	14.1	23.7
Ambulatory Health Care Services	621	182	207	12	25	13.7	7.4	13.3
Nursing and Residential Care Facilities	623	21	21	89	0	0.0	0.4	8.8
Performing Arts, Spectator Sports, and Related Industries	711	7	8	--	1	14.3	-1.3	17.3
Amusement, Gambling, and Recreation Industries	713	63	51	33	-12	-19.0	-14.4	12.9
Accommodation	721	32	36	20	4	12.5	-3.4	3.5
Food Services and Drinking Places	722	288	311	20	23	8.0	-0.2	12.2
Repair and Maintenance	811	188	157	5	-31	-16.5	-18.3	-0.4
Personal and Laundry Services	812	84	84	6	0	0.0	-2.4	7.2
Religious, Grantmaking, Civic, Professional, and Similar Organizations	813	40	46	5	6	15.0	-2.0	3.3
Private Households	814	82	119	1	37	45.1	4.6	24.9

growth rate exceeds both SC and US growth rates

Source: Bureau of Labor Statistics

Appendix C: York County Employment by Industry Sector

		Employment		2002-2007 Change				2007 Average Annual Wage (\$)	Projected Growth
Industry	NAICS code	2002	2007	#	%	Location Quotient	Competitive Effect		
Total		60,534	72,854	12,320	20.4			35,050	21%

<i>6 star sectors</i>		Employment		2002-2007 Change				2007 Average Annual Wage (\$)	Projected Growth
Industry	NAICS code	2002	2007	#	%	Location Quotient	Competitive Effect		
Telecommunications	517	636	771	135	21	1.38	212	56,830	A
Credit Intermediation and Related Activities	522	964	4,187	3,223	334	2.68	3,151	40,430	A

<i>5 star sectors</i>		Employment		2002-2007 Change				2007 Average Annual Wage (\$)	Projected Growth
Industry	NAICS code	2002	2007	#	%	Location Quotient	Competitive Effect		
Wood Product Manufacturing	321	297	493	196	66	1.76	217	48,775	BA
Chemical Manufacturing	325	902	1,292	390	43	2.77	455	49,597	BA
Fabricated Metal Product Manufacturing	332	1,279	1,786	507	40	2.11	496	43,803	BA
Electrical Equipment, Appliance, and Component Manufacturing	335	383	602	219	57	2.59	271	43,848	D
Merchant Wholesalers, Nondurable Goods	424	889	1,463	574	65	1.31	555	48,986	BA
Warehousing and Storage	493	575	874	299	52	2.44	132	32,144	AA
Ambulatory Health Care Services	621	1,777	2,384	607	34	0.80	288	55,341	AA

<i>4 star sectors</i>		Employment		2002-2007 Change				2007 Average Annual Wage (\$)	Projected Growth
Industry	NAICS code	2002	2007	#	%	Location Quotient	Competitive Effect		
Transportation Equipment Manufacturing	336	1,450	1,737	287	20	1.87	376	35,814	BA

4 star sectors		Employment		2002-2007 Change				2007 Average Annual Wage (\$)	Projected Growth
Industry	NAICS code	2002	2007	#	%	Location Quotient	Competitive Effect		
Motor Vehicle and Parts Dealers	441	1,174	1,321	147	13	1.27	128	38,189	BA
Electronics and Appliance Stores	443	86	359	273	317	1.21	270	27,542	A
Health and Personal Care Stores	446	412	579	167	41	1.07	139	34,179	A
Real Estate	531	393	503	110	28	0.62	70	34,714	AA
Administrative and Support Services	561	3,562	5,069	1,507	42	1.16	1,131	27,615	A
Educational Services	611	90	217	127	141	0.17	112	15,281	A
Nursing and Residential Care Facilities	623	1,287	1,879	592	46	1.17	496	21,421	A

3 star or fewer sectors		Employment		2002-2007 Change				2007 Average Annual Wage (\$)	Projected Growth
Industry	NAICS code	2002	2007	#	%	Location Quotient	Competitive Effect		
Specialty Trade Contractors	238	2268	3169	901	40	1.21	568	34,002	BA
Paper Manufacturing	322	1,336	1,386	50	4	5.59	266	92,643	BA
Primary Metal Manufacturing	331	81	156	75	93	0.63	83	38,802	BA
Merchant Wholesalers, Durable Goods	423	1,403	1,533	130	9	0.91	72	50,226	BA
Truck Transportation	484	221	628	407	184	0.80	390	22,238	BA
Amusement, Gambling, and Recreation Industries	713	1,483	1,705	222	15	2.21	90	11,287	BA
Food Services and Drinking Places	722	4,623	6,111	1,488	32	1.18	888	11,984	BA
Textile Mills	313	1,808	826	-982	-54	8.95	-226	43,572	D
Nonmetallic Mineral Product Manufacturing	327	550	289	-261	-47	1.06	-242	42,265	A
Furniture and Related Product Manufacturing	337	55	97	42	76	0.34	49	28,822	BA
Sporting Goods, Hobby, Book, and Music Stores	451	118	212	94	80	0.59	95	14,447	BA
General Merchandise Stores	452	1,396	1,603	207	15	0.98	105	18,005	BA
Waste Management and Remediation Services	562	173	81	-92	-53	0.42	-111	42,138	A
Forestry and Logging	113	148	96	-52	-35	2.69	-33	33,679	BA
Construction of Buildings	236	565	615	50	9	0.64	-22	43,302	BA
Heavy and Civil Engineering Construction	237	491	373	-118	-24	0.69	-151	39,075	BA

3 star or fewer sectors		Employment		2002-2007 Change				2007 Average Annual Wage (\$)	Projected Growth
Industry	NAICS code	2002	2007	#	%	Location Quotient	Competitive Effect		
Textile Product Mills	314	120	77	-43	-36	0.89	-21	40,378	D
Printing and Related Support Activities	323	330	162	-168	-51	0.48	-128	35,403	BA
Machinery Manufacturing	333	786	696	-90	-11	1.08	-65	49,179	BA
Miscellaneous Manufacturing	339	324	236	-88	-27	0.68	-67	36,327	BA
Wholesale Electronic Markets and Agents and Brokers	425	1,181	224	-957	-81	0.49	-1,338	57,218	D
Building Material and Garden Equipment and Supplies Dealers	444	1,053	932	-121	-11	1.31	-234	27,187	BA
Food and Beverage Stores	445	1,634	1,636	2	0	1.06	16	19,022	BA
Gasoline Stations	447	573	555	-18	-3	1.19	4	17,767	BA
Nonstore Retailers	454	179	204	25	14	0.86	28	27,884	BA
Publishing Industries (except Internet)	511	469	438	-31	-7	0.90	-2	37,264	BA
Data Processing, Hosting and Related Services	518	270	69	-201	-74	0.47	-98	65,843	BA
Insurance Carriers and Related Activities	524	413	396	-17	-4	0.34	-26	41,174	BA
Religious, Grantmaking, Civic, Professional, and Similar Organizations	813	198	229	31	16	0.32	26	24,116	BA
Food Manufacturing	311	38	24	-14	-37	0.03	-13	16,541	BA
Plastics and Rubber Products Manufacturing	326	317	230	-87	-27	0.56	-52	34,923	D
Furniture and Home Furnishings Stores	442	284	263	-21	-7	0.85	-37	23,373	BA
Clothing and Clothing Accessories Stores	448	611	684	73	12	0.84	-11	12,450	BA
Miscellaneous Store Retailers	453	465	362	-103	-22	0.76	-58	18,016	BA
Transit and Ground Passenger Transportation	485	12	6	-6	-50	0.03	-7	9,760	BA
Support Activities for Transportation	488	51	26	-25	-49	0.08	-32	32,833	BA
Motion Picture and Sound Recording Industries	512	82	80	-2	-2	0.39	0	11,927	BA
Rental and Leasing Services	532	196	182	-14	-7	0.53	-10	32,916	BA
Accommodation	721	674	705	31	5	0.70	-1	14,839	BA
Repair and Maintenance	811	1,044	721	-323	-31	1.06	-331	31,139	BA
Personal and Laundry Services	812	544	511	-33	-6	0.72	-55	17,718	D

Methodology and Sourcing

Projected Growth Grading Scale:

AA=above average

A=average

BA=below average

D=decline

Sectors are rated on 6 factors: 2002-2007 employment growth, 2002-2007 employment growth rate, location quotient, competitive effect, average annual wage, and projected growth.

Stars are based on: 2002-2007 employment growth of 100 or more, 2002-2007 employment growth rate greater than 20.4% (overall county job growth rate), location quotient of at least 1.25, competitive effect greater than 0, average annual wage greater than \$35,050 (2007 average for all jobs in the county), and average or above average projected growth.

Location Quotient: percentage of employment in the sector in the county divided by the percentage of employment in that sector in the US; gives an indication of how concentrated employment in the sector is in the county; based on 2007 data.

Competitive Effect: based on shift-share analysis; represents the change in employment in the sector in the county after accounting for overall US employment growth and growth/decline in the sector in the US.

Source: Bureau of Labor Statistics; projections based on data from EMSI and SC Department of Commerce.



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